This printed version of the Schedule of Classes is current as of 2/6/17 9:30 AM.

AASP African American Studies Winter 2017

AASP100 **Introduction to African American Studies**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

WB11	Jason Nichols	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

AASP202 **Black Culture in the United States**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH, D | General Education: DSHS, DVUP

The course examines important aspects of African American life and thought which are reflected in African American literature, drama, music and art. Beginning with the cultural heritage of slavery, the course surveys the changing modes of black creative expression from the 19th-century to the present.

WB11	Robert Choflet	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

AASP498E **Special Topics in Black Culture; A Critical Understanding of Hip Hop Culture and its Impact on Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

WB11	Solomon Comissiong	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

AASP498R **Special Topics in Black Culture; Race and Sports**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

WB11	Jonathan England	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

AASP498Z **Special Topics in Black Culture; Black Women in Popular Culture: From the Blues to Beyonce**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

WB11	Renina Jarmon	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

AASP499D **Advanced Topics in Public Policy and the Black Community; Drawing the Colorline: Chocolate City and the Media**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examination of specific areas of policy development and evaluation in black and other communities. Application of advanced tools of policy analysis, especially quantitative, statistical and micro-economic analysis.

WB11	Jonathan England	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

AMSC Applied Mathematics & Scientific Computation — Winter 2017

AMSC698A **Advanced Topics in Applied Mathematics**

Credits: 1-4 Grading Method: Regular, Audit

Contact department for information to register for this course.

AMSC762 **Data Analysis Project**

Credits: 1 Grading Method: Regular

This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

0101	Konstantina Trivisa	Seats (Total: 10)
	Contact instructor or department for details.	

AMSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AMST American Studies Winter 2017

AMST101 **Introduction American Studies**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO, D General Education: DSHU, DVUP

Credit only granted for: AMST101 or AMST201. Formerly: AMST201.

Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

WB11	Schillica Howard	Seats (Total: 18)
	Class time/details on ELMs	ONLINE
WB12	Izetta Mobley	Seats (Total: 18)
	Class time/details on ELMs	ONLINE

Click here for descriptions of all AMST winter courses.

AMST203 **Popular Culture in America**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HO General Education: DSHU, DVUP

An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

An introduction to American popular culture, its historical development, and its role as a reflection of and influence onour culture and society. We will also examine historical and contemporary celebrity culture from various critical theoretical perspectives.

WB11	Tatiana Benjamin Class time/details on ELMs	Seats (Total: 20) ONLINE
WB12	Melissa Benitez Class time/details on ELMs	Seats (Total: 20) ONLINE

AMST205 **Material Aspects of American Life**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU, DVUP

Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

WB11	Shoji Sanders Class time/details on ELMs	Seats (Total: 30) ONLINE

AMST428P **American Cultural Eras; Power, Paranoia, Politics in Postwar Film and Popular Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Investigation of a decade, period, or generation as a case study in significant social change within an American context. Case studies include "Antebellum America, 1840-1860" and "American culture in the Great Depression."

Through a critical examination of film and other kinds of popular culture produced in the post-World War II era, this course explores such issues as political paranoia over communism, fear of the atomic bomb, and the politics of race, gender, and sexuality in a pivotal period of American cultural history.

WB11	Robert Chester Class time/details on ELMs	Seats (Total: 35) ONLINE

ANSC Animal Science Winter 2017

ANSC386 **Experiential Learning**

Credits: 3-6 | Grading Method: Regular, Pass-Fail

Prerequisite: Permission of AGNR-Animal & Avian Sciences department. Restriction: Junior standing or higher.

0101	Amy Burk Contact instructor or department for details.	Seats (Total: 10)
0118	Christine Hakenkamp Contact instructor or department for details.	Seats (Total: 10)

ANSC399 **Special Problems in Animal Science**

Credits: 1-2 Grading Method: Regular, Pass-Fail, Audit

Work assignments are designed to be proportional to the amount of credit. Students are expected to develop an abstract, fact sheet, manuscript, oral presentation, poster, webpage, journal-log, or other scholarly product associated with their study and/or project.

Contact department for information to register for this course.

ANSC497 **Animal Biotechnology Recombinant DNA Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANSC327; or students who have taken courses with comparable content may contact the department. Recommended: ANSC437 and ANSC435.

An advanced course offering hands-on experience in performing recombinant DNA experiments. Current molecular biology techniques used for cloning genes, analyzing the gene products, and modifying the genes of animals will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory.

0101	Lisa Taneyhill MTuWThF 9:00am - 5:00pm	Seats (Total: 10) ANS 0108

ANSC688G **Special Topics; Animal Biotechnology Recombinant DNA Laboratory**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Lectures, experimental courses, and other special subjects in the fields of animal sciences and veterinary medicine.

0101	Lisa Taneyhill MTuWThF 9:00am - 5:00pm	Seats (Total: 10) ANS 0108

ANSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANTH Anthropology Winter 2017

ANTH222 **Introduction to Ecological and Evolutionary Anthropology**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: LL General Education: DSNL, DVUP

Credit only granted for: ANTH220 or ANTH222.

An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.

Students must pay a $40.00 lab materials fee.

HY11	Miguel Vilar MWF 9:00am - 12:15pm Class time/details on ELMs TuTh 10:00am - 3:00pm	Seats (Total: 20) WDS 1114 ONLINE WDS 0124C	 Lab
HY12	Miguel Vilar MWF 9:00am - 12:15pm Class time/details on ELMs WF 1:00pm - 6:00pm	Seats (Total: 20) WDS 1114 ONLINE WDS 0124C	 Lab

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB, D General Education: DSHS, DVUP

Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

WB11	Stanley Herman Class time/details on ELMs	Seats (Total: 25) ONLINE

ANTH263 **Sexuality and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

Credit only granted for: ANTH298K or ANTH263. Formerly: ANTH298K.

An overview of sexuality from an anthropological perspective, looking at aspects of sexuality within our own culture and in cultures around the world. Course topics include the biology and culture of sex, gender, physical attraction, sexual orientation, marriage and mating taboos, fertility control, sexually transmitted diseases, and commercial aspects of sex.

WB11	Charneka Lane Class time/details on ELMs	Seats (Total: 25) ONLINE

ANTH266 Changing Climate, Changing Cultures

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVCC, SCIS

Explore past, present, and future interactions between humans and climate. Discussions, methods-oriented activities, and case study analyses provide students a foundation for appreciating the role of anthropology in understanding, responding to, and preparing for climate change.

HY11	Elizabeth Van Dolah MTuWTh 10:00am - 11:45am Class time/details on ELMs	Seats (Total: 25) KEY 0116 ONLINE

ANTH358A Undergraduate Teaching Assistant

Credits: 1-3 | Grading Method: Regular, Pass-Fail, Audit

Individual instruction course: contact department or instructor to obtain section and index numbers.

I102	Erve Chambers Contact instructor or department for details.	Seats (Total: 5)
I103	William Stuart Contact instructor or department for details.	Seats (Total: 5)
I104	Tony Whitehead Contact instructor or department for details.	Seats (Total: 5)
I105	Judith Freidenberg Contact instructor or department for details.	Seats (Total: 5)

I106	Janet Chernela Contact instructor or department for details.	Seats (Total: 5)
I107	Michael Paolisso Contact instructor or department for details.	Seats (Total: 5)
I108	Thurka Sangaramoorthy Contact instructor or department for details.	Seats (Total: 5)
I109	Sean Downey Contact instructor or department for details.	Seats (Total: 5)
I110	L Jen Shaffer Contact instructor or department for details.	Seats (Total: 5)
I111	Mark Leone Contact instructor or department for details.	Seats (Total: 5)
I112	Paul Shackel Contact instructor or department for details.	Seats (Total: 5)
I113	Stephen Brighton Contact instructor or department for details.	Seats (Total: 5)
I114	George Hambrecht Contact instructor or department for details.	Seats (Total: 5)
I115	Christina Getrich Contact instructor or department for details.	Seats (Total: 5)
I116	Kathryn Lafrenz Samuels Contact instructor or department for details.	Seats (Total: 5)
I117	Barnet Pavao-Zuckerman Contact instructor or department for details.	Seats (Total: 5)

ANTH386 **Experiential Learning**

Credits: 1-6 Grading Method: Regular, Pass-Fail

Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.

Contact department for information to register for this course.

ANTH398A **Independent Study**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH448D **Special Topics in Archaeology; GIS for Anthropologists**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced topics in archaeological research, corresponding to new theoretical developments, faculty research interests, or specialties of visiting scholars. Prerequisites may vary with course topic; check with the department for requirements.

WB11	Lukus Monette	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANTH469C **Advanced Special Topics in Cultural Anthropology; Language and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Upper level cultural anthropology courses on varying topics derived fro new interests of the faculty or the specialties of visiting scholars.

Also offered as ANTH689C. Credit granted for ANTH469C or ANTH689C.

WB11	Jacqueline Messing	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANTH476 **Senior Research**

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486.

Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487.

Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH486 **Honors Research**

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476.

Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

Credits: 3-4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477.

Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH689A **Special Problems in Anthropology**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANTH689C **Special Problems in Anthropology; Language and Culture**

Credits: 3 Grading Method: Regular, Sat-Fail

Also offered as ANTH469C. Credit granted for ANTH469C or ANTH689C.

WB11	Jacqueline Messing	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANTH689D **Special Problems in Anthropology; GIS for Anthropologists**

Credits: 3 Grading Method: Regular, Sat-Fail

WB11	Lukus Monette	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANTH701 **Anthropology Internship Preparation**

Credits: 3 Grading Method: Regular, Audit

Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

Contact department for information to register for this course.

ANTH712 **Anthropology Internship Analysis**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ANTH789.

The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH788 **Internship Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

This course augments ANTH 789 and is graded in conjunction with it.

Contact department for information to register for this course.

ANTH789 **Internship**

Credits: 3-6 Grading Method: Regular, Audit

Individual instruction course supervised by a department faculty member.

Contact department for information to register for this course.

ANTH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Winter 2017

AOSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Dale Allen	Seats (Total: 5)
	Contact instructor or department for details.	

ARAB Arabic Winter 2017

ARAB341 **Filming War Zones: Representations of Wars in Iraq and Chechnya**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: FILM341. Credit only granted for: ARAB341 or FILM341.

Comparative study of ideological and cultural discourses in war films covering military conflicts in Iraq and Chechnya in late 20th-early 21st centuries. Materials include American, Middle Eastern, and Russian feature films and documentaries; theories of propaganda, ideology and popular culture. Taught in English.

Also offered as: FILM341. Credit only granted for: ARAB341 or FILM341. Comparative study of ideological and cultural discourses in war films covering military conflicts in Iraq and Chechnya in late 20th-early 21st centuries. Materials include American, Middle Eastern, and Russian feature films and documentaries; theories of propaganda, ideology and popular culture.

WB11	Valerie Anishchenkova	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

ARCH Architecture — Winter 2017

ARCH799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Development of master's thesis.

0113	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

AREC Agricultural and Resource Economics — Winter 2017

AREC457 **Energy, Climate Change, and Options for a Low-Carbon Economy**

Credits: 3 Grading Method: Regular

Recommended: ECON200. And AREC326; or ECON326. Restriction: Junior standing or higher.

Provides a primer in the physics and atmospheric chemistry of climate change, describes what the effects of climate change may be and explains how energy generation and use in various sectors of the economy contribute to greenhouse gas. It presents policy options meant to curb the use of fossil fuels (e.g., carbon taxes), improve energy efficiency (e.g., standards and incentives), and identifies possible drawbacks or unintended effects of such policies. Students will also study adaptation from the engineering, policy and anthropology points of view. The course further covers other aspects of climate change, as the potential effect of climate change on human health, cultural artifacts and the built environment, and sensitive ecological systems, and the legal implications of carbon storage options.

Contact department for information to register for this course.

AREC898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0137	Anna Alberini	Seats (Total: 10)
	Contact instructor or department for details.	

ARHU Arts and Humanities — Winter 2017

ARHU269M **Special Topics in Study Abroad II; Morocco: Disorienting America's Maghreb**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARHU350 **Chilean Culture, Democracy, and Social Change**

Credits: 3 Grading Method: Regular General Education: DVCC

Credit only granted for: ARHU350, ARHU369C, CMLT498C, GVPT309F, HIST329N, HONR349C. Formerly: ARHU369C.

Short term education abroad course offered in Summer term, in Santiago and Valparaiso, Chile. An exploration of both the conditions that led to the 1973 coup d'etat in Chile, and the complex legacy left by the following dictatorship, including competing economic philosophies that are underpinned by religious, historical, and ideological components. This course focuses on how the arts and literature continued to flourish during the dictatorship, and how they have played a continuing role in the country's recovery from its traumatic past.

Contact department for information to register for this course.

ARHU789A **Professional Development Practicum; Course Design**

Credits: 1 Grading Method: Regular

Graduate students, in various disciplines within the college of Arts and Humanities, will learn the theory and principles of a specific issue or skill set related to academic or non-academic work. They will create original work in a hands-on practicum format.

Graduate students will design an original 300-level or higher course based on their own expertise area, from conceptualization to complete syllabus and assessment.

0101	Alene Moyer	Seats (Total: 15)
	MW 4:00pm - 6:45pm	KEY 0117

ARTH Art History & Archaeology Winter 2017

ARTH201 **Art and Society in the West from the Renaissance to the Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU, DVUP

Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

WB11	Margaret Harrington	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ARTH359T **Film as Art; James Bond Film: The Ideology of Spectacle**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of film as a visual art, from theoretical, cultural and aesthetic perspectives. Content varies by semester.

WB11	Greg Metcalf	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ARTH369D **Special Topics in Study Abroad III; Ancient Greek and Roman**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ARTH389Y **Special Topics in Art History and Archaeology; Italy: Baroque Rome: Art, Architecture and Urban Splendor in the Eternal City, 1600-1700**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

ARTH488K **Colloquium in Art History; Art History in the Museum World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Colloquium to investigate a specific topic in depth.

Though this course is intended for upper division students who are majoring in art history, it is open to anyone interested in the museum world. Its principal objective is to introduce students to various facets of museum work and provide guidance concerning the possible ways in which an academic degree in art history can be used for diverse career paths in the museum environment. Most of the sessions will be conducted at the University of Maryland Center for Art and Knowledge, The Phillips Collection, Washington. In addition, we will visit other museums in the Washington D.C. area for meetings with different professionals. Rather than traditional lectures, our meetings are envisioned as active discussions on specific topics. Topics to be discussed include, but are not limited to the following: curatorial work, management and preservation of collections, design and installation of permanent and temporary exhibitions, fundraising, and outreach and educational programs that promote a more meaningful relationship between museums and their audiences.

0101	Aneta Georgievska-Shine	Seats (Total: 15)
	MTuWTh 9:00am - 12:30pm	Location: TBA
	Class will be held at Phillips Museum. Phillips Collection University of Maryland Center for Art and Knowledge Center Conference Room (CCR) 1600 21st Street, NW Washington, DC 20009	

ARTT Art Studio Winter 2017

ARTT110 **Elements of Drawing I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Fundamental concepts, media, and processes of drawing. Emphasis on observation and representation in combination with individual expression. Subject matter includes still life, human figure, nature, the built environment, and conceptual projects.

Students must pay a $40.00 studio lab fee.

0101	Rebecca Basch	Seats (Total: 18)
	MTuWThF 9:00am - 2:00pm	ASY 2317

ARTT150 **Introduction to Art Theory**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Fundamental concepts of global, philosophic, and critical art theory examined through various historic and contemporary texts, and the analysis of works of art.

Field trips listed in syllabus.

0101	Richard Klank	Seats (Total: 15)
	MTuWThF 9:00am - 12:00pm	ASY 2309

ARTT210 **Elements of Drawing II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT110.

Continuation of ARTT110 with additional emphasis on color, figure drawing, and contemporary issues.

Students must pay a $40.00 studio lab fee.

0101	Rebecca Basch	Seats (Total: 10)	
	MTuWThF 9:00am - 2:00pm	ASY 2317	

ARTT255 **Introduction to Digital Art and Design Processes**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT100 and ARTT110. Credit only granted for: ARTT255 or ARTT354. Formerly: ARTT354.

Introduction to basic software and principles of digital imaging, and how they are applied to art and design. Topics covered: Digital image construction and manipulation, Vector-Based digital techniques layout, typography, etc), time-based digital techniques (video and audio composition and manipulation), and basic interactivity (web-design). Digital media used to explore visual principles established in ARTT100.

Student must pay a $40 Laboratory studio fee

0101	Narendra Ratnapala	Seats (Total: 11)	
	MTuWThF 9:00am - 2:00pm	ASY 3311E	

ARTT343 **Elements of Printmaking: Screen Printing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to silkscreen printing.

Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 12)	
	MTuWThF 10:00am - 3:00pm	ASY 1317	Lab

ARTT418 **Advanced Drawing Studio; Advanced Drawing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level drawing studio emphasizing advanced concepts and processes related to drawing; emphasis on contemporary art issues and individual directions.

Prerequisite: ARTT210. Students must pay a $40.00 studio lab fee.

0101	Rebecca Basch	Seats (Total: 10)	
	MTuWThF 9:00am - 2:00pm	ASY 2321	

ARTT448E **Advanced Printmaking Studio**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Multi-level printmaking studio; continuation of media-specific printmaking courses with emphasis on contemporary art issues and individual directions in chosen media.

Students must pay a $40.00 studio lab fee.

0101	Justin Strom	Seats (Total: 4)	
	MTuWThF 10:00am - 3:00pm	ASY 1317	Lab

ARTT468B **Seminar on the Interrelationship Between Art and Art Theory; Advanced Issues in Art Theory**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The relationship between a student's work and the theoretical context of contemporary art.

0101	Richard Klank	Seats (Total: 5)
	MTuWThF 9:00am - 12:00pm	ASY 2309

ARTT479B **Advanced Digital Media Studio; Introduction to Digital Video Production**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Variable multi-level studio emphasizing advanced concepts and processes related to time-based, projection, installation, interactive, and audio/visual integrated digital art. Emphasis on contemporary art issues and individual directions.

The primary focus of this course is an introduction to video production. Students will learn principles of pre-production, and post-production. Aesthetics, theory, and practical aspects will be examined in the context of short film/documentary production. Student must pay a $40 Laboratory studio fee

0101	Narendra Ratnapala	Seats (Total: 3)
	MTuWThF 9:00am - 2:00pm	ASY 3311E

ARTT489P **Advanced Special Topics in Art; Photography in Oaxaca**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of student's work on an advanced studio level within the context of a special topic.

Contact department for information to register for this course.

ARTT489V **Advanced Special Topics in Art; Body Ornamentation: Theory with Studio Component**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Development of student's work on an advanced studio level within the context of a special topic.

0101	Richard Klank	Seats (Total: 20)
	MTuWThF 12:30pm - 3:00pm	ASY 2309

ARTT498 **Directed Studies in Studio Art**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.

There is a $40.00 studio lab fee for this course.

Contact department for information to register for this course.

ARTT498A **Directed Studies in Studio Art**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.

There is a $40.00 studio lab fee for this course.

Contact department for information to register for this course.

ARTT498B **Directed Studies in Studio Art**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Advanced independent work in Studio Art. Meeting with faculty and studi time arranged.

There is a $40.00 studio lab fee for this course.

Contact department for information to register for this course.

ARTT648 **Printmaking**

Credits: 3 Grading Method: Regular, Audit

Independent studies in printmaking for advanced special students.

There is a $60.00 studio lab fee for this course.

0101	Justin Strom	Seats (Total: 10)	
	MTuWThF 10:00am - 3:00pm	ASY 1317	Lab

ARTT699A **Directed Graduate Studies in Studio Art**

Credits: 1-4 Grading Method: Regular, Audit

Independent graduate studies.

0105	Instructor: TBA	Seats (Total: 2)
	Contact instructor or department for details.	

ARTT798B **Directed Graduate Studies in Studio Art**

Credits: 1-4 Grading Method: Regular, Audit

Independent graduate studies.

Contact department for information to register for this course.

BCHM Biochemistry Winter 2017

BCHM677 **Computational Tools in Biochemistry**

Credits: 1 Grading Method: Sat-Fail

Prerequisite: BCHM674 or BCHM671; or permission of instructor. Restriction: Must be in one of the following programs (Biochemistry (Master's); Biochemistry (Doctoral)) ; or permission of instructor.

A practical, hands-on introduction to the application of computational tools that support biochemistry research. Selected topics may include: efficient use of scientific literature databases and the preparation of professional bibliographies; proteomics and mass spectrometry; bioinformatics and genomics programs an database resources; molecular structure visualization and modeling; quatitative data fitting and error analysis; and laboratory research ethics.

Class begins meeting on Wednesday, January 6th.

0101	David Fushman	Seats (Total: 20)	
	MWF 9:00am - 12:50pm	CHM 1224	

BIOE Bioengineering Winter 2017

BIOE460 **Biotechnology and Bioproduction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Junior standing or higher. Credit only granted for: BIOE460, BIOE468B, or ENES489Q. Formerly: BIOE468B.

Basics of recombinant DNA technology and biopharmaceutical manufacturing.

0101	Ben Woodard	Seats (Total: 20)	
	MTuWThF 1:00pm - 2:50pm	KEB 1200	
	MTuWThF 3:00pm - 4:00pm	CHE 1203	Lab

BIOL Biology Winter 2017

BIOL709D **Selected Advanced Topics in Biology; Data Analysis & Modeling in Ecology and Environmental Life Sciences**

Credits: 3 Grading Method: Regular, Audit

Lectures, experimental courses and other special instructions in various biological subjects.

Specifying and estimating models is, arguably, the essential task of life science researchers attempting to understand complex processes. In this course, we will provide an overview of contemporary statistical andcomputational modeling tools for performing inference, testing hypotheses, and fitting complex processes. This course will be highly applied-i.e., rather than dwell rigorously ontheory, We will use the R programming language to learn how to visualize data, estimate models, and report results.

0101	Eliezer Gurarie	Seats (Total: 15)	
	MTuWThF 2:00pm - 5:00pm	BPS 1238	

BIOM Biometrics Winter 2017

BIOM301 **Introduction to Biometrics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSAR

Prerequisite: MATH113 or MATH115. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON321, EDMS451, GEOG306, GVPT422, PSYC200, or SOCY201.

Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

0101	Christine Hakenkamp MTuWThF 11:00am - 1:00pm MTuWThF 1:00pm - 2:00pm	Seats (Total: 28) CSS 2324 ANS 0473	 Discussion
0102	Christine Hakenkamp MTuWThF 11:00am - 1:00pm MTuWThF 10:00am - 11:00am	Seats (Total: 28) CSS 2324 ANS 0473	 Discussion
0103	Christine Hakenkamp MTuWThF 11:00am - 1:00pm MTuWThF 1:00pm - 2:00pm *Students must have their own laptops.*	Seats (Total: 20) CSS 2324 ANS 0408	 Discussion

BMGT Business and Management Winter 2017

BMGT220 Principles of Accounting I

Credits: 3 Grading Method: Regular

Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.

0101	Stephen Brown **Meets January 3, 2017 - January 20, 2017** TuWThF 1:30pm - 4:40pm	Seats (Total: 45) VMH 1335	

BMGT221 Principles of Accounting II

Credits: 3 Grading Method: Regular

Prerequisite: BMGT220.

Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

0101	Gary Bulmash	Seats (Total: 45)
	Meets January 3, 2017 - January 20, 2017	
	TuWThF 10:00am - 1:10pm	VMH 1335

BMGT364 **Managing People and Organizations**

Credits: 3 Grading Method: Regular

An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

0101	Elijah Xun Ming Wee	Seats (Total: 40)
	Meets January 3, 2017 - January 20, 2017	
	TuWThF 10:00am - 1:10pm	VMH 1303

BMGT380 **Business Law I**

Credits: 3 Grading Method: Regular

Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

0101	William McClenahan	Seats (Total: 40)
	MTuWThF 10:00am - 12:45pm	VMH 1336

BMGT398B **Individual Study in Business and Management; Germany in the New Europe: Politics, Business, and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

BMGT428D **Special Topics in Accounting; Europe and the US: Accounting's Future, Present, and Past (UK, Belgium, Netherlands, NYC, DC)**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in Accounting.

Contact department for information to register for this course.

BMGT438K **Special Topics in Operations Management; Saigon and Hong Kong: From Emergent to Developed - A Mix of Markets**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in operations management.

Contact department for information to register for this course.

BMGT438L **Special Topics in Operations Management; Quest to Japan - The Birthplace of Quality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in operations management.

Contact department for information to register for this course.

BMGT448P **Special Topics in Finance; Doing Business in Brazil: A Look at a Growing Economy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected advanced topics in finance.

Contact department for information to register for this course.

BMGT498I **Special Topics in Business and Management; Social Entrepreneurship and Innovation in the Contemporary South African Context**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in business and management designed to meet the changing needs and interests of students and faculty.

Contact department for information to register for this course.

BMGT828 **Independent Study in Business and Management**

Credits: 1-9 Grading Method: Regular, Audit

Contact department for information to register for this course.

BMGT898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BMGT899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

BSCI Biological Sciences Program Winter 2017

BSCI222 **Principles of Genetics**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CHEM131 and CHEM132; and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or must have completed BSCI105 or (BSCI170 and BSCI171); and two semesters of chemistry.

Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.

WB11	Tammatha O'Brien	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

BSCI338Z **Special Topics in Biology; Field Research**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

SG91	Beth Parent	Seats (Total: 5)
	Contact instructor or department for details.	

BSCI339I **Selected Topics in Biology; Cellular Mechanisms of Aging and Disease**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, and other selected instruction courses in various biological subject matter.

Prerequisite: BSCI330. Students will explore the cellular mechanisms underlying aging and a variety of noninfectious diseases and disorders ranging from diabetes and obesity to Alzheimer's and various cancers. In addition to online lectures, students will read and discuss relevant primary and secondary literature in the area of cell biology and biomedicine. Assessments will include assignments/quizzes, discussion forums, and one or more wiki page/PowerPoint-based presentations covering topics relevant to aging and disease. Acceptable towards Biological Sciences Specialization Areas: PHNB, CEBG cell biology/physiology category.

WB11	Hadiya Woodham	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BSCI339P **Selected Topics in Biology; Data Analysis & Modeling in Ecology & Environmental Life Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Lectures, seminars, and other selected instruction courses in various biological subject matter.

Specifying and estimating models is, arguably, the essential task of life science researchers attempting to understand complex processes. In this course, we will provide an overview of contemporary statistical and computational modeling tools for performing inference, testing hypotheses, and fitting complex processes. This course will be highly applied-i.e., rather than dwell rigorously on theory, we will use the R programming language to learn how to visualize data, estimate models, and report results.

0101	Eliezer Gurarie	Seats (Total: 5)
	MTuWThF 2:00pm - 5:00pm	BPS 1238

BSCI342 **Biology of Reproduction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI170 and BSCI171; or BSCI105; or permission of CMNS-Biological Sciences UG Program. Also offered as: WMST326. Credit only granted for: BSCI342 or WMST326.

The biology of the reproductive system with emphasis on mammals and, in particular, on human reproduction. Hormone actions, sperm production, ovulation, sexual differentiation, sexual behavior, contraception, pregnancy, lactation, maternal behavior, and menopause.

0101	Justicia Opoku-Edusei	Seats (Total: 25)
	MTuWThF 10:00am - 1:00pm	BPS 1250

BSCI348J **Special Topics in Cell Biology and Molecular Genetics; Medical Microbiology**

Credits: 3 Grading Method: Regular, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

Prerequisite: BSCI105 (grade of B or better) or BSCI223 or BSCI283. Credit only granted for BSCI424 or BSCI348J. Mechanisms of pathogenesis detection, prevention and treatment of bacterial, viral and parasitic pathogens of humans.

WB11	Volker Briken	Seats (Total: 21)
	Class time/details on ELMs	ONLINE

BSCI348M **Special Topics in Cell Biology and Molecular Genetics; Epidemiology of Microbial Pathogens**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

Acceptable towards Biological Sciences areas: MICB and GENB. Prerequisite: BSCI105. Study of infectious bacteria and viruses acting at the population level in humans and animals. Identification of causes and spread of infection.

WB11	Jeffrey Olimpo	Seats (Total: 28)
	Class time/details on ELMs	ONLINE

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

(Perm req)

Credits: 1-4 Grading Method: Regular, Pass-Fail, Audit

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI 348 may be applied to major.

(Sponsoring Dept.: CBMG). An opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Web site: http://www.life.umd.edu/CBMG/progrms/department/micb388r.html

I101	David Straney	Seats (Total: 5)
	Contact instructor or department for details.	

BSCI361 **Principles of Ecology**

Credits: 4 Grading Method: Regular, Pass-Fail

Prerequisite: BSCI160 and BSCI161; or BSCI106. And (MATH130 or MATH140).

Basic principles of population, community, and ecosystem ecology. Use o these principles to predict possible consequences of human-caused changes in the environment and to understand the level of uncertainty of those predictions.

WB11	Marcia Shofner	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a member of the department.

Contact department for information to register for this course.

BSCI399 **Biology Department Research**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.

Contact department for information to register for this course.

BSCI399L **Biology Department Research; Biology Lab Research**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.

0101	Reid Compton	Seats (Total: 10)
	Contact instructor or department for details.	

BSST Terrorism Studies Winter 2017

BSST338C **Special Topics in Terrorism Studies; Australian and Pacific Rim Perspectives on Terrorism and Counterterrorism**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST338P **Special Topics in Terrorism Studies; The Rise of the Islamic State**

Credits: 3

Grading Method: Regular,
Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

The quick rise of the terrorist group self-described as the Islamic State, also known as the ISIL has surprised policymakers and foreign policymakers worldwide. This course provides a comprehensive look at the Islamic State and will discuss key concepts and terms in Islamic history in an effort to establish an understanding of Islamic jurisprudence, meaning of a caliphate, the five pillars of Islam and Sharia law. The course will trace the history of the Islamic States rise and will examine the leadership figures/personalities behind the group and look in depth at ISILs connection to and divorce from al-Qaida. Students will examine how the group finances its operations as well as the rise of its affiliates. Students will also explore the groups use of foreign fighters and social media to further its agenda and explore the U.S. and global responses to counter the Islamic State. At the completion of this course, students will have an in depth understanding of the Islamic State and a better understanding of the key tools, including law enforcement, diplomatic, or intelligence, that are deployed to counter the group.

WB11	Jason Blazakis	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BSST338T **Special Topics in Terrorism Studies; India and the Netherlands: A Global Exchange for Young Leaders in Terrorism Studies**

Credits: 3

Grading Method: Regular,
Pass-Fail, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BSST399F **Individual Study in Terrorism Studies; Geospatial Analysis of Terrorism**

Credits: 1

Grading Method: Regular,
Pass-Fail, Audit

An independent study course for students in the Global Terrorism Minor program.

Students will be introduced to Geospatial Information Systems and the technologys specific applications to terrorism studies. No previous experience with GIS or terrorism data is necessary. Students will leave the course with a firm grasp of GIS technologies and the ways in which they may implemented in terrorism studies.

WB11	Marcus Boyd	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BSST399N **Individual Study in Terrorism Studies; Social Network Analysis for Terrorism**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

An independent study course for students in the Global Terrorism Minor program.

The concept of network has become central to many discussions of terrorism and political violence research. However, use of the term is rarely backed with theoretical and empirical analysis of actual networks. This course will instruct students in the basics of social network analysis and how to apply SNA methods in the field of terrorism studies.

WB11	Jeongyoon Lee	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BSST399P **Individual Study in Terrorism Studies; Criminal Behavior Profiling**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

An independent study course for students in the Global Terrorism Minor program.

What do terrorism, cybercrime and violent/financial crimes all have in common? They are all perpetrated by people or groups of people who have unique motivations, intentions, allegiances, ideologies, and psychological make ups. But how can the characteristics of a crime indicate characteristics of the perpetrator(s)? Criminal profiling has been in use for decades and has evolved over time. This individual study will give you an understanding of the premise of criminal profiling methodologies, how and when it can be useful, ethical boundaries, and how social science research supports those methods.

WB11	Dana LaFon	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BSST638C **Special Topics in Terrorism Studies; Australian and Pacific Rim Perspectives on Terrorism and Counterterrorism**

Credits: 3

Grading Method: Regular, Audit

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

Contact department for information to register for this course.

BUFN Finance Winter 2017

BUFN754 **Corporate Risk Management**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI640. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Surveys the theory and practice of financial risk identification, measurement, and mitigation at financial and non-financial firms. Topics will include hedging with options and futures, interest rate risk management, Value-at-Risk (VaR), Cashflow-at-Risk (CaR), Earnings-at-Risk (EaR), credit risk, equity risk, commodities risk, exchange rate risk, and lessons from risk management disasters.

DC06	Ceyed Baiju	Seats (Total: 50)
	Meets January 7, 2017 - January 15, 2017	
	SaSu 9:00am - 4:15pm	DC C1
	Meets 1/7, 1/8, 1/14, and 1/15.	

BUFN766 **Financial Engineering**

Credits: 2 Grading Method: Regular

Prerequisite: BUFN740. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)). Credit only granted for: BUFN735 or BUFN766. Formerly: BUFN735.

Develop Excel and Visual Basic (VBA) models to solve problems related t portfolio management, options valuation, fixed income securities, interest rate processes, and risk management. This course thus bridges theory with the design of algorithms and models that can be directly applied in practice.

BA01	Mark Taranto	Seats (Total: 50)
	Meets January 3, 2017 - January 19, 2017	
	TuWTh 5:50pm - 10:00pm	BA 102
	Meets 1/3, 1/5, 1/10, 1/11, 1/12, 1/17, and 1/19.	

BULM Logistics, Business, and Public Policy Winter 2017

BULM733 **Global Trade Logistics**

Credits: 2 Grading Method: Regular

Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)) ; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT773 or BULM733. Formerly: BMGT773.

Acquaints students with managerial issues in international logistics and transportation, and provides students with an understanding of issues related to import/export management and the global marketplace.

WB01	Gary Cohen	Seats (Total: 20)
	Meets December 20, 2016 - January 17, 2017	
	Tu 6:00pm - 7:30pm	ONLINE
	Class time/details on ELMs	ONLINE
	Meets 12/20, 12/27, 1/3, 1/10, 1/17. Online.	

BULM759 **Independent Study in Logistics Management**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Logistics Management.

Contact department for information to register for this course.

BUMK Marketing Winter 2017

BUMK731 **Business-to-Business Marketing**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI650.

Focus is large fraction of marketing activity directed at organizationa customers (businesses, non-profits and government). Marketing strategies, tactics and analytical tools most relevant when marketing to organizational customers are covered. Readings, cases and term paper contribute to understanding how to build long term buyer/seller relationships. Course is appropriate for anyone interested in understanding relationships between organizations, including vertical strategic alliances.

DC01	Elizabeth Sara	Seats (Total: 50)
	Meets January 3, 2017 - January 17, 2017	
	TuWTh 5:50pm - 10:00pm	DC C2
	Meets 1/3, 1/4, 1/5, 1/10, 1/12, and 1/17.	

BUMK758G **Special Topics in Marketing; Business Communication**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

CP15	Diane Whitney	Seats (Total: 50)
	Meets January 10, 2017 - January 18, 2017	
	TuWTh 10:00am - 4:00pm	VMH 1330
	For MS in Marketing Analytics students only. Meets 1/10, 1/11, 1/12, 1/17, and 1/18.	

BUMK758I **Special Topics in Marketing; Innovation and Marketing**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in marketing.

Prerequisite: BUSI650.

GS06	Gaurav Bhalla	Seats (Total: 50)
	Meets January 7, 2017 - January 15, 2017	
	SaSu 9:00am - 4:15pm	BLD2 2032
	Meets 1/7, 1/8, 1/14, and 1/15.	

BUMK759 **Independent Study in Marketing**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Marketing.

Contact department for information to register for this course.

BUMO Management and Organization Winter 2017

BUMO720 **Understanding Organizational Change**

Credits: 2 Grading Method: Regular

Prerequisite: BUSI664 or BUSI662. Restriction: Must be in one of the following programs (Business and Management (Master's); Business and Management (Master's)).

Develops the fundamental change knowledge and skills of MBA students who plan to work with organizations as change agents, whether internally as managerial employees or externally as outside consultants. Draws on literatures from organizational behavior, human resource management and strategic management to identify models as prescriptions of change.

DC01	Mary Taylor **Meets January 3, 2017 - January 21, 2017** MW 7:00pm - 10:00pm Sa 9:00am - 2:20pm *Meets 1/4, 1/7, 1/9, 1/11, 1/14, and 1/21.*	Seats (Total: 40) Location: TBA DC C3

BUMO758B **Special Topics in Management and Organization; Alignment of Human Capital**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in management and organization.

Prerequisite: BUSI662.

GS01	Neta Moye **Meets January 3, 2017 - January 19, 2017** TuTh 5:50pm - 10:00pm *Meets 1/3, 1/5, 1/10, 1/12, 1/17, and 1/19.*	Seats (Total: 50) BLD2 2032

BUMO758C **Special Topics in Management and Organization; International Entrepreneurship**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in management and organization.

DC06	James Sanders **Meets January 7, 2017 - January 15, 2017** SaSu 9:00am - 4:15pm *Meets 1/7, 1/8, 1/14, 1/15.*	Seats (Total: 50) Location: TBA

BUMO758G **Special Topics in Management and Organization; Innovation Management**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in management and organization.

Contact department for information to register for this course.

BUMO759 **Independent Study in Management and Organization**

(Perm req)

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in management and organization.

Contact department for information to register for this course.

CBMG Cell Biology & Molecular Genetics Winter 2017

CBMG899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Doctoral Dissertation Research.

0121	Jeffrey DeStefano Contact instructor or department for details.	Seats (Total: 10)
0155	Volker Briken Contact instructor or department for details.	Seats (Total: 1)

CCJS Criminology and Criminal Justice Winter 2017

CCJS105 **Introduction to Criminology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

WB11	Wendy Stickle Class time/details on ELMs	Seats (Total: 40) ONLINE

CCJS300 **Criminological and Criminal Justice Research Methods**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Prerequisite: CCJS100 and CCJS105; and (PSYC200, CCJS200, ECON321, BMGT230, or SOCY201).

Introduction to the formulation of research questions covering crime and justice, research designs, data collection, and interpretation and reporting in criminological and justice-system settings.

Prerequisites: CCJS100 and CCJS105 and one of the following: CCJS200 or SOCY201 or PSYC200 or ECON321 or BMGT320.

0101	Laure Brooks MTuWTh 9:00am - 12:30pm	Seats (Total: 18) LEF 2166

CCJS359 **Field Training in Criminology and Corrections**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Supervised field training in public or private social agencies. Group meetings, individual conferences and written program reports.

Prerequisites: (CCJS 105 or CRIM 220) and (CCJS 350 or CRIM 450), majors only and permission of department.

Contact department for information to register for this course.

CCJS370 **Race, Crime and Criminal Justice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

Prerequisite: CCJS100; or students who have taken courses with comparable content may contact the department.

Role and treatment of racial/ethnic minorities in the criminal justice system. Course will provide students with historical and theoretical framework for understanding this dynamic.

WB11	Christine White	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

CCJS398 **Law Enforcement Field Training**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

Supervised, structured and focused field training in law enforcement agencies.

Prerequisite: junior standing. Majors only.

Contact department for information to register for this course.

CCJS451 **Crime and Delinquency Prevention**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: CCJS105 and CCJS300.

Methods and programs in prevention of crime and delinquency.

WB11	Kathryn Zafft	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

CCJS600 **Criminal Justice**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Criminology and Criminal Justice (Master's); Criminology and Criminal Justice (Doctoral)) ; or permission of BSOS-Criminology & Criminal Justice department. Formerly: CJUS600.

Current concept of criminal justice in relationship to other concepts in the field. Historical perspective. Criminal justice and social control. Operational implications. Systemic aspects. Issues of evaluation.

Contact department for information to register for this course.

CCJS680 **Drugs and Crime**

Credits: 3 Grading Method: Regular

The relationship between drug use and crime. Policy concerning drug control enforcement, prosecution and sentencing. impact of drug treatment in criminal justice Impact of drug treatment in criminal justice settings, drug courts, drug-testing strategies and surveillance of former drug abusers in the community.

Contact department for information to register for this course.

CHEM Chemistry Winter 2017

CHEM399A **Introduction to Chemical Research; Undergraduate Research**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Contact department for information to register for this course.

CHEM399B **Introduction to Chemical Research; Undergraduate Research**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Basic (chemical) research conducted under the supervision of a faculty member.

Contact department for information to register for this course.

CHEM611 **Professional Skills for New Graduate Students**

Credits: 1 Grading Method: Regular, Audit

Restriction: Must be in one of the following programs (Chemistry (Master's); Biochemistry (Master's); Biochemistry (Doctoral); Chemistry (Doctoral)) ; and must be a new graduate student.

Covers a wide range of topics in professional development for new graduate students.

Contact department for information to register for this course.

CHEM612 **Scientific Presentations**

Credits: 1 Grading Method: Sat-Fail

Prerequisite: CHEM611.

Workshops will cover all aspects of giving scientific presentations. Each student will give a presentation based oon the topic of his/her final paper in CHEM611. Presentations will be critiqued by peers and faculty members.

0101	Andrei Vedernikov	Seats (Total: 40)
	MTuWThF 10:00am - 10:50am	CHM 1228

CHEM640 **Problems in Organic Reaction Mechanisms**

Credits: 1 Grading Method: Regular, Audit

A tutorial type course dealing with the basic description of the fundamentals of writing organic reaction mechanisms.

Contact department for information to register for this course.

CHPH Chemical Physics Winter 2017

CHPH719E **Laplace's equation, spherical harmonics, quantum oscillators and the hydrogen atom**

Credits: 1 Grading Method: Sat-Fail

There are deep links between the subjects of the course title, which connect many branches of quantum and classical physics. Mastery of the basic analytical techniques that are common to them gives lasting insight and intuition on the solution of many problems encountered in research and development in physical science and engineering. This course focuses on acquiring such mastery by working examples. We take an approach that requires only basic knowledge of calculus and linear algebra, with the goal of enabling students to derive important first-principles results from elementary considerations.

Also offered as PHYS499E. Credit granted for CHPH719E or PHYS499E.

0101	Charles Clark	Seats (Total: 25)
	TuTh 10:00am - 12:30pm	CSS 3100A

CHPH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CLAS Classics Winter 2017

CLAS289A **Are We Rome?**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH General Education: DSHS, DSHU, SCIS

WB11	Gregory Staley	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

CLAS308G **The Classics in Context; The Ancient Roman City: Pompeii and Beyond**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A Study Abroad course which introduces students to the topography, archaeology and culture of the ancient Mediterranean world.

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Winter 2017

CLFS608 **Seminar in Current Topics in Chemical and Life Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Directo or instructor before registering.

Restricted to students in CLFS program. Contact Dr. Brett Kent (bkent@umd.edu) to establish a mentor; and then contact the Office of Extended Studies (oes@umd.edu) to register.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Seminar in current topics in the Life Sciences. Contact Program Directo or instructor before registering.

Restricted to students in CLFS program. Contact the Office of Extended Studies (oes@umd.edu) to register.

Contact department for information to register for this course.

CLFS609B **Special Topics; The Biology of Reproduction**

Credits: 3 Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

PL01	Janet Norcross	Seats (Total: 6)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS609C **Special Topics; Emerging Infectious Diseases**

Credits: 3 Grading Method: Regular, Audit

Individual instruction course. Contact Program Director or instructor before registering.

PL01	Robert Hall	Seats (Total: 9)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS619A **Special Topics in Chemistry; Molecular Spectroscopy**

Credits: 3 Grading Method: Regular, Audit

Topics of current interest and special importance.

PL01	Paul Mazzocchi	Seats (Total: 4)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CLFS630 **Principles of Transmission Genetics: A Historical and Modern Perspective**

Credits: 3 Grading Method: Regular, Audit

Examines the origins of modern genetics, model genetic systems, and the role of chromosomes in vertical transmission of genetic information from parent to offspring. Classical gene mapping, population genetics and the various applications of modern genetics will also be studied.

PL01	Nancy Trun	Seats (Total: 2)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS Program.	

CLFS680 **Chemical Ecology**

Credits: 3 Grading Method: Regular, Audit

An examination of the utilization of organic natural products by plants and animals for various life processes. Examples will include how materials are utilized for sexual selection, defense against predators, sexual attractants, and as natural herbicides and repellants.

Restricted to students in CLFS program.

PL01	Paul Mazzocchi, Bruce Jarvis	Seats (Total: 5)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Click here for more course information.	

CLFS725 **Experimental Design**

Credits: 2 Grading Method: Regular, Audit

Credit only granted for: LFSC710, LFSC719, or LFSC725. Formerly: LFSC719.

Experimental design and statistics for science teachers that emphasizes the underlying structure of data and how this affects the quality and reliability of experiments. Examines the nature of data, the methods for designing rigorous experiments, important experimental design formats, and the relationships between data structure and analysis. Course work focuses on the design and analysis of orginal experiments for a series of research problems.

PL01	Bretton Kent	Seats (Total: 4)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the CLFS program.	

CMSC Computer Science Winter 2017

CMSC389B **Special Topics in Computer Science; When Computers Meet Biology**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Prerequisite: CMSC216 and CMSC250.

0101	Eytan Ruppin	Seats (Total: 52)
	MTuWThF 11:00am - 11:50am	CSI 3117

CMSC389J **Special Topics in Computer Science; Introduction to Advanced Javascript**

(Perm req)

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Prerequisite: CMSC216 and CMSC250. Credit granted for CMSC389J and CMSC389P; or CMSC389N.

0101	Nelson Padua-Perez	Seats (Total: 105)
	MTuWThF 2:00pm - 2:50pm	CSI 1115

CMSC389P **Special Topics in Computer Science; Introduction to PHP, MySQL, and Apache**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Prerequisite: CMSC216 and CMSC250. Credit granted for CMSC389J and CMSC389P; or CMSC389N.

0101	Nelson Padua-Perez	Seats (Total: 109)
	MTuWThF 3:00pm - 3:50pm	CSI 1115

CMSC389T **Special Topics in Computer Science; Advanced Discrete Structures**

(Perm req)

Credits: 1 Grading Method: Regular

Seminar courses that allow students to pursue new and emerging areas of Computer Science; course may be used as electives for the undergraduate degree and minor.

Prerequisite: CMSC216 and CMSC250.

0101	William Gasarch	Seats (Total: 53)
	MTuWThF 1:00pm - 1:50pm	CSI 3117

CMSC798 **Graduate Seminar in Computer Science**

Credits: 1 Grading Method: Regular

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

Credits: 1 Grading Method: Regular

Prerequisite: permission of instructor. Advanced topics selected by the faculty from the literature of applications of computer science to suit the interest and background of students. May be repeated for credit.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**

Credits: 1 Grading Method: Regular

Contact department for information to register for this course.

COMM Communication Winter 2017

COMM107 **Oral Communication: Principles and Practices**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: FSOC

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.

A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

0101	Zexin Ma MTuWTh 9:00am - 12:30pm	Seats (Total: 19) KEY 0117
0102	Ning Xie MTuWTh 9:00am - 12:30pm	Seats (Total: 19) KEY 0125

COMM288 **Communication Internship**

(Perm req)

Credits: 1-6 Grading Method: Regular, Pass-Fail, Audit

An individual experience arranged by the student with the instructor. Does not satisfy communication major requirements. 45 hours of supervised internship per credit hour with communication professional. Not a substitute for COMM386.

I101	Julie Gowin Contact instructor or department for details.	Seats (Total: 10)

COMM324 **Communication and Gender**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DVUP

The creation of images of male and female, and masculine and feminine, through communication, the differences in male and female communication behaviors and styles, and the implications of those images and styles for male-female transactions.

WB11	Jessica Lu **Meets January 3, 2017 - January 23, 2017** Class time/details on ELMs	Seats (Total: 35) ONLINE

COMM369D **Special Topics in Study Abroad III; Digital Media in London**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

COMM386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail General Education: DSSP

Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program.

Supervised internship experience with communication professionals. Relation of academic training to professional experience.

Hours are completed at internship site.

I101	Julie Gowin	Seats (Total: 20)
	Contact instructor or department for details.	

COMM388 **Communication Practicum**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Supervised professional-level practice in communication.

Contact department for information to register for this course.

COMM398O **Selected Topics in Communication; Digital Media and Democracy**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

WB11	Jon Hoffman	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

COMM398Y **Selected Topics in Communication; Going Viral: Digital Rhetoric & Social Media Discourse**

Credits: 3 Grading Method: Regular

Topical study of contemporary issues in communication.

This course provides students with an introduction to the history, theory, technology, and uses of social media. While much has been made about both media consumption and production, we have yet to understand what it means to truly participate in their situated contexts. This course is a fair split between both thinking about and using social and digital media.

WB11	Eric Dunning	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

COMM401 **Interpreting Strategic Discourse**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: COMM250. Restriction: Must be in Communication program.

Principles and approaches for practical analysis of discourse designed to shape audience opinion.

0101	Yvonne Slosarski	Seats (Total: 35)
	MTuWTh 9:00am - 12:30pm	SKN 1115
	Restricted to COMM majors only.	

COMM488I **Communication Portfolio Project; Strategic Interviewing for the Career You Want**

Credits: 1 Grading Method: Regular

Preparation of the professional communication portfolio.

This course introduces students to advanced techniques in interviewing for job opportunities and career progression. This online course focuses on the dynamics of the interview process, the communication theories and best practices behind influence and persuasion, and the communication aptitudes and skills that distinguish top candidates.

WB11	Luke Capizzo	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

COMM489 **Topical Research; Topical Research**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Individualized research projects conducted with a faculty sponsor.

0106	Leah Waks	Seats (Total: 5)
	Contact instructor or department for details.	

COMM798 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

An individual course designed for intensive study or research of problems in communication.

Contact department for information to register for this course.

COMM898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

COMM899 **Doctoral Dissertation Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

CONS Sustainable Development & Conservation Biology — Winter 2017

CONS609I **Special Topics in Conservation Biology; Special Topics in Conservation Biology: Internship**

Credits: 1 Grading Method: Regular, Sat-Fail

Lectures, experimental courses and other special instructions in variou subjects in conservation biology.

I101	Karen Lips	Seats (Total: 50)
	Contact instructor or department for details.	

CONS798 **Research Papers in Sustainable Development and Conservation Biology**

Credits: 1-4 Grading Method: Regular, Sat-Fail

Work on the required scholarly paper.

Contact department for information to register for this course.

CPSP College Park Scholars Program — Winter 2017

CPSP239J **Practicum: Internship; Individual Practicum: Media, Self, and Society**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

Contact department for information to register for this course.

CPSP239P **Practicum: Internship; Public Leadership**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Supervised internship in interest area related to the theme of the students' College Park Scholars program.

I101	Jennifer Littlefield	Seats (Total: 5)
	Contact instructor or department for details.	

CPSP279K **Practicum: Study Abroad; London and the British Empire, 1500-1850**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Supervised international experience that satisfies students' College Park Scholars practicum requirement.

Contact department for information to register for this course.

CPSP279T **Practicum: Study Abroad; Technology and Society: Ecuador in Context**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP, DVCC

Supervised international experience that satisfies students' College Park Scholars practicum requirement.

Contact department for information to register for this course.

CPSP379A **Advanced Practicum: Study Abroad; Global Immersion: Australia**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Advanced, supervised study-abroad experience.

Contact department for information to register for this course.

CPSP379B **Advanced Practicum: Study Abroad; Dubai and Hong Kong: Two Powerful Cities**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Advanced, supervised study-abroad experience.

Contact department for information to register for this course.

CPSP379C **Advanced Practicum: Study Abroad; International and Multicultural Perspectives in Education**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Advanced, supervised study-abroad experience.

Contact department for information to register for this course.

CPSP379E **Advanced Practicum: Study Abroad; El Salvador's Children: Risk, Poverty and Education**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Advanced, supervised study-abroad experience.

Contact department for information to register for this course.

CPSP379M **Advanced Practicum: Study Abroad; Global Immersion: Singapore/Malaysia**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced, supervised study-abroad experience.

Contact department for information to register for this course.

CPSP379P **Advanced Practicum: Study Abroad; Morocco: Culture and Human Rights- A Public Leadership Perspective**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced, supervised study-abroad experience.

Contact department for information to register for this course.

ECON Economics Winter 2017

ECON200 **Principles of Microeconomics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH113 or higher. Credit only granted for: ECON200, AREC240, or AREC250. Additional information: It is recommended that students complete ECON200 before taking ECON201.

Introduces economic models used to analyze economic behavior by individuals and firms and consequent market outcomes. Applies conceptual analysis to several policy issues and surveys a variety of specific topics within the broad scope of microeconomics.

WB11	Thomas Hegland	Seats (Total: 65)
	Class time/details on ELMs	ONLINE

ECON201 **Principles of Macroeconomics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH113 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205.

An introduction to how market economies behave at the aggregate level. The determination of national income/output and the problems of unemployment inflation, will be examined, along with monetary and fiscal policy.

WB11	Veronika Penciakova	Seats (Total: 65)
	Class time/details on ELMs	ONLINE

ECON230 **Applied Economic Statistics**

Credits: 3 Grading Method: Regular

Prerequisite: Must have math eligibility of MATH113 or higher; or 1 course with a minimum grade of C- from (MATH107, MATH110). And minimum grade of C- in ECON200 and ECON201. Recommended: Students should already have basic familiarity with Microsoft Excel or similar spreadsheet software. Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

Introductory course to develop understanding of statistical concepts used in applied economics. Students will acquire skills needed to calculate and interpret statistical concepts, including descriptive statistics, probability, discrete and continuous distributions, sampling, point and interval estimations, hypothesis testing, basic analysis of variance, and simple linear regression models. Students will apply these concepts to data using both handheld calculators and spreadsheets(Excel), and students will be introduced to an econometric software package such as SPSS or SAS or R.

WB11	Terry Pack	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

ECON305 **Intermediate Macroeconomic Theory and Policy**

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: Minimum grade of C- in ECON201 and ECON200. And 1 course with a minimum grade of C- from (MATH120, MATH140, MATH130); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: ECON305 or ECON325.

Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

0101	Feng Zhang	Seats (Total: 40)
	MTuWTh 1:00pm - 4:10pm	TYD 2109

ECON306 **Intermediate Microeconomic Theory & Policy**

Credits: 3

Grading Method: Regular, Pass-Fail

Prerequisite: 1 course with a minimum grade of C- from (ECON200, AREC250); and minimum grade of C- in ECON201. And 1 course with a minimum grade of C- from (MATH120, MATH140, MATH130); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: ECON306, ECON326, AREC489M, or AREC326.

Analysis of the theories of consumer behavior, producer behavior, different market structures, and various sources of inefficient outcomes. Analysis of microeconomic policies designed to improve market outcomes.

0101	Shanjukta Nath	Seats (Total: 40)
	MTuWTh 1:00pm - 4:10pm	TYD 1118

ECON315 **Economic Development of Underdeveloped Areas**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201. Credit only granted for: ECON315 or ECON416.

Analysis of the economic and social characteristics of underdeveloped areas. Recent theories of economic development, obstacles to development, policies and planning for development.

0101	Fernando Saltiel	Seats (Total: 40)
	MTuWTh 10:00am - 1:10pm	TYD 1114

ECON330 **Money and Banking**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ECON200 and ECON201.

The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

0101	Rodrigo Heresi	Seats (Total: 40)
	MTuWTh 1:00pm - 4:10pm	TYD 1132

ECON422 **Econometrics I**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON325, ECON326); and 1 course with a minimum grade of C- from (STAT400, ECON321). Restriction: Must be in Economics Bachelor of Science program. Credit only granted for: ECON422, ECON424, AREC422, or AREC489F.

Emphasizes the interaction between economic problems and the assumption employed in statistical theory. Formulation, estimation, and testing of economic models, including single variable and multiple variable regression techniques, theory of identification, and issues relating to inference.

0101	Camila Galindo Pardo	Seats (Total: 40)
	MTuWTh 10:00am - 1:10pm	TYD 2111

ECON424 **Applied Econometrics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON305, ECON306, ECON325, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program. Credit only granted for: ECON422 or ECON424.

Provide the knowledge and skills necessary to accomplish and utilize basic applied econometric analysis utilized by many business service providers, government agencies, and nonprofits engaged in policy analysis. Topics include simple and multiple regressions using cross section, time series, and panel data, issues of heteroskedasticity, serial correlation, and multicollinearity, models with binary dependent variable, and program evaluation. Course emphasizes application of knowledge using software packages but still covers essential theoretical background.

0101	Yongjoon Park	Seats (Total: 40)
	MTuWTh 10:00am - 1:10pm	TYD 2102

ECON454 **Public Finance and Public Policy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON422, ECON424). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics Bachelor of Science).

The role of the the public sector in a market economy constitutes the over-arching topic of this course. Emphasis lies on analyzing government expenditure programs and the microeconomics of tax policy.

0101	Brian Witzen	Seats (Total: 40)
	MTuWTh 1:00pm - 4:10pm	TYD 0102

ECON642 **Topics in Applied Macroeconomics**

Credits: 3 | Grading Method: Regular, Audit

Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department.

Focus is on applied macroeconomic models used by federal agencies to explain and predict economic behavior. Course emphasizes macroeconomic data: NIPA accounts, GDP, construction and application of CPI, labor force data and economic indicators. Students will also study a selected set of current macroeconomic topics including models of economic growth, economic fluctuations, monetary policy, inflation and financial markets.

PR01	Lauren Bresnahan	Seats (Total: 27)	
	Meets November 28, 2016 - February 17, 2017		
	Tu 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Professional Economics Program. This course meets at 1400 16th St, NW, Suite 140, Washington, DC.		

ECON644 **Empirical Analysis II: Introduction to Economic Models**

Credits: 3 | Grading Method: Regular, Audit

Prerequisite: ECON643.

An introduction to econometric methods with applications to public policy analysis. Primary focus on application and interpretation of multiple regression analysis.

PR02	Razvan Vlaicu	Seats (Total: 27)	
	Meets November 28, 2016 - February 17, 2017		
	Th 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Professional Economics Program. This course meets at 1400 16th St, NW, Suite 140, Washington, DC.		

ECON671 **Economics of Health Care**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645. Credit only granted for: ECON671 or ECON565. Formerly: ECON565.

An examination of the structure, conduct and performance of the health care market, including a study of physician services, the pharmaceutical industry, the hospital market and health insurance. Extensive use of quantitative and analytic economic tools with special emphasis on regulatory response to market imperfections.

PR01	Patrick Richard	Seats (Total: 24)	
	Meets November 28, 2016 - February 17, 2017		
	Tu 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Professional Economics Program. This course meets at 1400 16th St, NW, Suite 140, Washington, DC.		

ECON675 **Environmental Economics**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON645.

A study of the nature of environmental regulation focusing on U.S. environmental policies and policy debates.

PR01	Charles Griffiths, Paul Dockins	Seats (Total: 24)	
	Meets November 28, 2016 - February 17, 2017		
	M 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Professional Economics Program. This course meets at 1400 16th St, NW, Suite 140, Washington, DC.		

ECON684 **Applied Time Series Analysis and Forecasting**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ECON642; and ECON645. Restriction: Must be in M.Prof.Studies: Applied Economics program.

This course builds on the brief introduction to time series econometrics offered in ECON 645. Students will learn the theory of stationary processes and how it applies to econometric techniques for estimation and forecasting based on time series data. The techniques will be applied in macroeconomic, financial and business applications.

PR01	David Burk	Seats (Total: 24)	
	Meets November 28, 2016 - February 17, 2017		
	Th 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Restricted to students in the Professional Economics Program. This course meets at 1400 16th St, NW, Suite 140, Washington, DC.		

ECON698 **Selected Topics in Economics**

Credits: 3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ECON898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDCI Curriculum and Instruction Winter 2017

EDCI413 **Interdisciplinary Teaching in the Middle Grades I**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDCI457 and EDCI411; or permission of instructor. Corequisite: EDCI360 and EDCI424. Restriction: Minimum cumulative GPA of 2.75; and must be in the Middle School Teacher Education Program, major code 0804P.

For prospective middle school teachers. Studying and planning interdisciplinary instructional practices in middle school. Utilizes context and experiences from students' field placements. Use of technology and incorporation of technology into instruction.

Contact department for information to register for this course.

EDCI437 **English Grammar Pedagogy for Teachers of English Language Learners**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: EDCI437 or EDCI488P. Formerly: EDCI488P.

Methods of teaching English grammar to English language learners. The role of teaching grammar. Effective methods and techniques for incorporating grammar in other communication activities.

WB11	Jeff MacSwan	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

EDCI463 **Reading in the Secondary School**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Minimum cumulative GPA of 2.75; and must be in one of the following programs (Middle School Education; Secondary Educ: Science; Secondary Educ: English Language Arts; Secondary Educ: Mathematics; Secondary Educ: Foreign Languages; Secondary Educ: Social Studies; Secondary Educ: Art) ; and permission of department required for post-baccalaureate students.

Provides secondary school teachers with understanding the need for and approaches to teaching students to read and learn from content area texts.

0101	Wayne Slater	Seats (Total: 30)
	MTuWThF 9:00am - 12:00pm	EDU 2119

EDCI488K **Selected Topics in Teacher Education; From Ethiopia to Israel: Immigration, Education, and Acculturation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

EDCI788K **Selected Topics in Teacher Education; From Ethiopia to Israel: Immigration, Education, and Acculturation**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teacher education.

Contact department for information to register for this course.

EDCI798 **Special Problems in Teacher Education**

Credits: 1-6 Grading Method: Regular, Audit

Intended for Masters, AGS, or doctoral students in education who desire to pursue a research problem.

Contact department for information to register for this course.

EDCI888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDCI898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0105	Tara Brown Contact instructor or department for details.	Seats (Total: 5)
0106	Victoria MacDonald Contact instructor or department for details.	Seats (Total: 5)
0107	Linda Valli Contact instructor or department for details.	Seats (Total: 5)
0132	Jeff MacSwan Contact instructor or department for details.	Seats (Total: 5)
0135	David Imig Contact instructor or department for details.	Seats (Total: 5)
0152	Francine Hultgren Contact instructor or department for details.	Seats (Total: 5)

EDCI899 **Doctoral Dissertation Research**

(Perm req)

Credits: 6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services — Winter 2017

EDCP108B **College and Career Advancement: Concepts and Skills; Academic Success Strategies**

Credits: 1 | Grading Method: Regular, Pass-Fail, Audit

Knowledge and skills designed to enhance college as a learning experience or preparation for life.

This course is designed to empower students to become more active learners in college and in life. By examining prior and current learning strategies, students will be encouraged to make wise choices to create new pathways for growth now and in the future. Course registration is closed to seniors, but they may request enrollment with permission from the instructor if seats are available.

WB11	Kimberly Bethea, Brianna Rhodes	Seats (Total: 30)
	Meets January 9, 2017 - January 23, 2017	
	Class time/details on ELMs	ONLINE
	This online course will have one individual meeting with the instructor which is to be arranged (in person or via computer). For more information, please contact the course instructor by email.	

EDCP652 **Research in Counseling**

Credits: 3 | Grading Method: Regular, Audit

Restriction: Must be in the School Counseling program. Credit only granted for: EDCP652 or EDCP789Y. Formerly: EDCP789Y.

An exploration of basic and applied research, program evaluation, and associated measurement and evaluation skills crucial for professional school counselors.

0101	Paul Gold	Seats (Total: 15)
	MTuWThF 1:00pm - 4:00pm	EDU 2102

EDCP665 **Family and Social Support Systems**

Credits: 3 | Grading Method: Regular, Audit

Recommended: EDCP610.

Principles and methods useful for understanding the role of family support systems in counseling. Specialized skills for counseling impaired adults and their families.

Class will meet in EDU 2119 from 5-10pm on the following days: Wednesday, January 4; Thursday, January 5; Friday, January 6; and Monday, January 9 (from 5-9pm). Additionally, class will meet on Saturday, January 7 and Sunday, January 8 from 8am-5pm in EDU 2119.

0101	Julia Bryan	Seats (Total: 20)
	Meets January 4, 2017 - January 10, 2017	
	Contact instructor or department for details.	

EDCP789 **Advanced Topics in Counseling and Personnel Services**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Contact department for information to register for this course.

EDCP798 **Special Problems in Counseling and Personnel Services; Special Problems in Counseling and Personnel Services**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.

Individual Instruction course: contact department or instructor to obtai n section number for winter term.

Contact department for information to register for this course.

EDCP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Registration required to the extent of six hours for Master's thesis.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDCP889 **Internship in Counseling and Personnel Services**

Credits: 1-8

Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

Credits: 1-8

Grading Method: Regular, Sat-Fail

Registration required to the extent of 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDHI Education Leadership, Higher Ed and International Ed — Winter 2017

EDHI488C **Special Topics in Education Policy and Administration; World Religions and Their Implications for Education**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

meets January 4,5, 9, 11, and 12. Jan. 17 is an online class. Students develop a basic understanding of world religions, looking at their origins, development, teachings, and primary figures. Students explore the roles, meaning, purpose that education plays in the various religions and examine their implications for education in the 21st century.

0101	Jing Lin	Seats (Total: 20)
	Meets January 3, 2017 - January 23, 2017	
	MWTh 4:00pm - 9:00pm	EDU 1315
	Contact instructor or department for details.	

EDHI489 **Field Experiences in Education**

Credits: 1-4

Grading Method: Regular, Pass-Fail, Audit

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDHI677 **Ranking System in Higher Education: How They Work and Why They Matter**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI677 or EDHI788W. Formerly: EDHI788W.

A critical examination of domestic and international university ranking systems from their historic origins to current day. Students explore the criteria used to identify quality, the methods used to collect data, and the impact of ranking systems on institutional decision-making.

0101	KerryAnn O'Meara	Seats (Total: 15)
	Contact instructor or department for details.	
	The course will meet on the following dates: January 3,6,12, and 13 (9:00 am - 1:00pm; 2:00-6:00pm) and January 19 (5:30pm-8:30pm)	

EDHI679 **Master's Seminar**

Credits: 3 Grading Method: Regular, Audit

Directed study for master's degree students writing seminar papers.

Contact department for information to register for this course.

EDHI683 **World Religions and Their Implications for Education**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: EDHI683 or EDHI788C. Formerly: EDHI788C.

Students develop a basic understanding of world religions, looking at their orgins, development, teachings, and primary figures. Students explore the roles, meaning, purpose that education plays in the various religions and examine their implications for education in the 21st century.

meets January 4,5, 9, 11, and 12. Jan. 17 is an online class.

0101	Jing Lin	Seats (Total: 20)
	Meets January 3, 2017 - January 23, 2017	
	MWTh 4:00pm - 9:00pm	EDU 1315
	Contact instructor or department for details.	

EDHI788 **Special Topics in Education Policy and Administration**

Credits: 1-3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Sharon Fries-Britt	Seats (Total: 5)
	Contact instructor or department for details.	

EDHI788E **Special Topics in Education Policy and Administration; Law in Student Affairs and Higher Education**

Credits: 3 Grading Method: Regular

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Sally Swann	Seats (Total: 10)
	MTuWTh 12:00pm - 3:10pm	WDS 1127

EDHI788T **Special Topics in Education Policy and Administration; International Education and Cultural Exchange: Policies and Practices**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

Dates offered: January 3, 5, 10, 12 Tuesday and Thursday from 9am-5pm; January 4, 6, 11, 13 Wed and Fri from 4:15pm-7pm. This 3-credit seminar course will survey key aspects of international education administration in a U.S. higher education setting and is designed to introduce students to various arenas of the international education field with an emphasis on the internationalization efforts of American universities, current trends in the field and the challenges involved in undertaking these exchanges. On Tuesday, January 10th and Thursdays, January 5 and 12, classes will involve site visits to organizations in the Washington, DC area who are engaged in international education.

0101	Taylor Woodman	Seats (Total: 20)
	Meets January 3, 2017 - January 13, 2017	
	TuTh 9:00am - 5:00pm	EDU 2101
	WF 4:15pm - 7:00pm	EDU 2101

EDHI788Z **Special Topics in Education Policy and Administration; Race/Ethnicity Intergroup Dialogue**

(Perm req)

Credits: 1 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

Restricted: Permission of department required.

0101	Alison Mojto, Tricia Homer MTuW 5:00pm - 7:30pm	Seats (Total: 10) MMH 2411

EDHI798 **Special Problems in Education**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDHI888 **Apprenticeship in Education**

(Perm req)

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0101	Sharon Fries-Britt Contact instructor or department for details.	Seats (Total: 5)
0135	Alberto Cabrera Contact instructor or department for details.	Seats (Total: 5)

EDHI889 **Internship in Education**

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0135	Alberto Cabrera	Seats (Total: 5)
	Contact instructor or department for details.	

EDPS Education Policy Studies Winter 2017

EDPS679 **Master's Seminar**

Credits: 3 Grading Method: Regular, Audit

Directed study for master's degree students writing seminar papers.

Contact department for information to register for this course.

EDPS788C **Special Topics in Education Policy and Administration; Culture, Identity and Experience in Education**

Credits: 3 Grading Method: Regular, Audit

Special and intensive treatment of current topics and issues in education policy and administration.

0101	Beth Cohen	Seats (Total: 15)
	TuTh 4:15pm - 7:30pm	EDU 1107
	Class time/details on ELMs	ONLINE

EDPS798 **Special Problems in Education**

Credits: 1-6 Grading Method: Regular, Audit

Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDPS888 **Apprenticeship in Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0117	Robert Croninger	Seats (Total: 5)
	Contact instructor or department for details.	

EDPS889 **Internship in Education**

Credits: 3-8 | Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDSP Education, Special Winter 2017

EDSP210 **Introduction to Special Education**

Credits: 3 | Grading Method: Regular, Audit | General Education: DVUP

Restriction: Sophomore standing or lower. Credit only granted for: EDSP210 or EDSP470.

Characteristics and needs of individuals receiving special education an related services. Current issues and practices in special education.

WB11	Sarah Mallory Class time/details on ELMs	Seats (Total: 20) ONLINE
WB12	Leslie Page-Voth Class time/details on ELMs	Seats (Total: 20) ONLINE

EDSP220 **Disability in Community: Access, Accommodation, and Adaptation**

Credits: 3 | Grading Method: Regular | General Education: DSSP, DVCC

Examines the concept of disability in a variety of community settings. Drawing on classic and contemporary readings in psychology, sociology and special education, the course will couple conceptual and historical understanding of disability with first-hand service-learning experiences in the community. Students will develop a plan in several phases that encompasses principles of Universal Design for Living/Learning (UDL) to study and participate in community-based activities.

WB11	Carolyn Fink Class time/details on ELMs	Seats (Total: 15) ONLINE

EDSP376 **Fundamentals of Sign Language**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVCC

Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

WB11	Michael Dunham Class time/details on ELMs	Seats (Total: 30) ONLINE
WB12	Michael Dunham Class time/details on ELMs	Seats (Total: 30) ONLINE

EDSP470 **Introduction to Special Education**

Credits: 3 Grading Method: Regular, Audit General Education: DVUP

Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210 or EDSP470.

Designed to give an understanding of the needs of all types of exceptional children.

WB11	Sarah Mallory Class time/details on ELMs	Seats (Total: 20) ONLINE
WB12	Leslie Page-Voth Class time/details on ELMs	Seats (Total: 20) ONLINE

EDSP476 **Communicating with Sign Language**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: EDSP376. Restriction: Permission of EDUC-Counseling, Higher Education and Special Education department.

Intermediate level receptive/expressive skills in American Sign Language. Aspects of the culture, history, and research perspectives of the deaf community.

HY11	Michael Dunham W 4:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 30) EDU 3233 ONLINE

EDSP488B **Selected Topics in Teacher Education; El Salvador's Children: Risk, Poverty and Education**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

EDSP788B **Selected Topics in Special Education; El Salvador's Children: Risk, Poverty and Education**

Credits: 3 Grading Method: Regular, Audit

Current topics and issues in teacher education.

Contact department for information to register for this course.

EDSP798 **Special Problems in Special Education**

Credits: 1-6 Grading Method: Regular, Audit

Intended for Master's, AGS, or doctoral students in education who desire to pursue a research problem.

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Registration required to the extent of six hours for Master's thesis.

Contact department for information to register for this course.

EDSP888 **Apprenticeship in Special Education**

Credits: 1-8 Grading Method: Regular, Audit

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

Credits: 3 Grading Method: Regular

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

Credits: 3-8 Grading Method: Regular, Audit

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. dissertation.

Contact department for information to register for this course.

EMBA Executive MBA Program Winter 2017

EMBA630 **Data Models and Decisions**

Credits: 3 Grading Method: Regular

Restriction: Must be in Executive MBA program.

To develop probabilistic and statistical concepts, methods and models through examples motivated by real-life data from business and to stress the role that statistics play in the managerial decision making process.

Contact department for information to register for this course.

EMBA683 **The Global Economic Environment**

Credits: 2 Grading Method: Regular

Restriction: Must be in Executive MBA program.

Relationship between national and international economic environments. Determinants of output, interest rates, prices and exchange rates. Analysis of effect of economic policies (fiscal, monetary, trade, tax) on the firm and the economy.

Contact department for information to register for this course.

EMBA693 **Supply Chain**

Credits: 2 Grading Method: Regular

Restriction: Must be in Executive MBA program.

The age of the real-time supply chain has finally arrived. Companies can now connect instantaneously with suppliers, distributors, manufacturers, customers, and alliance partners around the world. On-line access to up-to-the minute information enables companies to improve communication and project management across the entire supply chain, promote collaboration across departments, and enhance customer service and financial operations. The results are stunning; for example, a recent survey reports dramatic increases in revenues and customer retention and decreases in operating costs and product cycle times. As competition heats up from every direction, the ability to design and manage your supply chain with precision and speed becomes a business imperative. This course offers a practical blueprint for building, implementing, and sustaining supply chains in today's rapidly changing environment.

Contact department for information to register for this course.

EMBA759 **Independent Study**

Credits: 1-6 Grading Method: Regular

Independent study for Masters students in Business.

EC01	Robert Sheehan Contact instructor or department for details.	Seats (Total: 30)
EM01	Robert Sheehan Contact instructor or department for details.	Seats (Total: 5)

EMBA778A **Special Topics; Introduction to Fundamentals of Business**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

EMBA778D **Special Topics; Action Learning Project II**

Credits: 3 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

EMBA778E **Special Topics; Executive Power and Negotiation**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

EMBA778K **Special Topics; Data Analytics**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

EMBA778L **Special Topics; Consumer Behavior**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

EMBA778V **Special Topics; Corporate Valuation**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

EMBA778X **Special Topics; Supply Chain Risk Management**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

EMBA778Z **Special Topics; Capstone**

Credits: 2 Grading Method: Regular

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

ENAE Engineering, Aerospace Winter 2017

ENAE898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0102	Imraan Faruque	Seats (Total: 1)
	Contact instructor or department for details.	

ENAE899 **Doctoral Dissertation Research**

(Perm req)

Credits: 1-6 Grading Method: Sat-Fail

Contact department for information to register for this course.

ENCE Engineering, Civil Winter 2017

ENCE689 **Seminar**

Credits: 1-16 Grading Method: Regular, Audit

0112	Peter Chang Contact instructor or department for details.	Seats (Total: 1)

ENCE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

0103	Qingbin Cui Contact instructor or department for details.	Seats (Total: 2)
0108	Ali Haghani Contact instructor or department for details.	Seats (Total: 2)

ENCE899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0106	Gregory Baecher Contact instructor or department for details.	Seats (Total: 5)
0108	Ali Haghani Contact instructor or department for details.	Seats (Total: 2)
0120	Yunfeng Zhang Contact instructor or department for details.	Seats (Total: 2)
0121	Steven Gabriel Contact instructor or department for details.	Seats (Total: 5)
0148	Lei Zhang Contact instructor or department for details.	Seats (Total: 5)

ENCH Engineering, Chemical Winter 2017

ENCH799 **Master's Thesis Research; Masters Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

0126	Srinivasa Raghavan	Seats (Total: 5)
	Contact instructor or department for details.	

ENCH898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0106	Mikhail Anisimov	Seats (Total: 5)
	Contact instructor or department for details.	

ENCH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENCO Engineering, Cooperative Education — Winter 2017

ENCO098 **Co-op/Internship Work Experience; Co-op/Intern Work Experience**

Credits: 0 Grading Method: Sat-Fail

Participation in a cooperative education (co-op) or internship program enables students to apply the theories that they have learned in their traditional classes with paid, supervised, career-related work experience that develops technical and professional work skills. Contact the Engineering Co-op & Career Services Office.

Participation in a cooperative education (co-op) or internship program combines classroom theory with paid, supervised, career-related work experience that develops technical and professional work skills. Programs are open to undergraduate and graduate students in all majors in the School of Engineering. Undergraduate students must have a 2.0 GPA to participate and graduate students a 3.0 GPA. Contact the Engineering Co-op and Career Services Office for more information.

CP02	Veronica Perrigan	Seats (Total: 10)
	Contact instructor or department for details.	

ENEE Electrical & Computer Engineering — Winter 2017

ENEE131 **Technology Choices**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE General Education: DSSP, SCIS

An exploration of the positive and negative effects of technology on society, via diverse criteria to assess the relative well being of individuals and society; an examination of how society can help shape the future of technology and the tools that can be used to make wise technology choices.

0101	Wesley Lawson MTuWThF 10:00am - 12:50pm	Seats (Total: 24) CSI 2120	
0102	Wesley Lawson MTuWThF 2:00pm - 4:50pm	Seats (Total: 20) CSI 2120	

ENEE200 **Social and Ethical Dimensions of Engineering Technology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: IE | General Education: DSHU, SCIS

What makes a technology socially responsible? At UMD, the Fearless Ideas campaign asks us to aim our enthusiasm for technology at big real problems. At the same time, we are coming to appreciate the increasingly complex nature of technological systems as they become integrated into all forms of infrastructure, we realize they may be unpredictable, interdependent on social and biological systems, and have unintended consequences. In this midst of this complexity, people make decisions with far reaching impacts. How then do we follow our passion for technology and innovation but also stay skeptical in a way that allows us to consider the potential and shortcomings of technology? Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology.

0101	Nicole Mogul MTuWThF 10:00am - 12:00pm MTuWThF 1:00pm - 3:00pm	Seats (Total: 20) CSI 1121 CSI 2118	 Discussion

ENEE898 **Pre-Candidacy Research**

Credits: 1-8 | Grading Method: Regular, Sat-Fail

Provide training in education for senior PhD students who contemplate a academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.

Contact department for information to register for this course.

ENEE899 **Doctoral Dissertation Research**

Credits: 1-8 | Grading Method: Sat-Fail

I102	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

ENES Engineering Science Winter 2017

ENES102 **Mechanics I**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.

The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

0101	Jackelyn Lopez Roshwalb	Seats (Total: 55)
	MTuWThF 10:00am - 2:00pm	EGR 1108

ENES220 **Mechanics II**

(Perm req)

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.

Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

0101	Stephen Kamakaris	Seats (Total: 42)
	MTuWThF 10:00am - 2:00pm	CSI 2107

ENES221 **Dynamics**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

0101	Kevin Calabro	Seats (Total: 40)
	MTuWThF 10:00am - 2:00pm	EGR 3106

ENES232 **Thermodynamics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE300, ENCH300, ENES232, ENMA461, ENME320, or ENME232. Formerly: ENME232 and ENME320.

Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

0101	Kristen Hines	Seats (Total: 65)
	MTuWThF 9:00am - 1:00pm	JMP 3201

ENES316 **Global Leadership in Engineering, Business, & Technology**

Credits: 3 Grading Method: Regular

Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; or permission of instructor. Additional information: Students will be required to participate in off-campus industry visits outside of the formal class meeting time.

An introduction to global leadership research, theories, and practice with an emphasis on applied dimensions of global leadership in the engineering, business, and technology sectors. This course prepares students to further their knowledge and capacities for global leadership to be successful in industry.

Contact department for information to register for this course.

ENES458A **Topics in International Engineering; Engineers Without Borders: Leadership Seminar**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES458C **Topics in International Engineering; Leadership Seminar-Monitoring_Burkina Faso**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES458I **Topics in International Engineering; Engineers Without Borders-Leadership Seminar**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES460 **Fundamentals of Technology Start-Up Ventures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Credit only granted for: ENES460, BMGT461 or HLMN470. Formerly: ENES489A. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.

For winter term, permission restrictions will not apply. The course is open to all students.

WB11	Cait von Schnetlage	Seats (Total: 52)
	Class time/details on ELMs	ONLINE

ENES463 **Strategies for Managing Innovation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Credit only granted for: ENES463, BMGT467 or HLMN472. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Emphasizes how the technology entrepreneur can use strategic management of innovation and technology to enhance firm performance. Examines the process of technological change, the ways that firms come up with innovations, the strategies that firms use to benefit from innovation, and the process of formulating technology strategy. Provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks.

For winter term, permission restrictions will not apply. The course is open to all students.

WB11	Thomas Mierzwa	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

ENES472 **International Business Cultures in Engineering and Technology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Prerequisite: Permission of ENGR-A. James Clark School of Engineering. Restriction: Sophomore standing or higher. Also offered as: SLLC472. Credit only granted for: ARHU439B, ARHU439E, ARHU439T, ENES472, SLLC471, SLLC472, or SLLC473. Formerly: ARHU439T.

The goal is to provide students with an understanding of cultural aspects pertaining to global business and engineering and develop the cultural understanding, attitudes, and communication skills needed to function appropriately within an increasingly global and multicultural working environment.

Contact department for information to register for this course.

ENES489Q **Special Topics in Engineering; Biotechnology and Bioproduction**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in engineering.

Focuses on the basics of recombinant DNA technology as applied to biopharmaceutical manufacturing, in classroom and pilot plant settings. Students will work through a "production campaign" including all key steps of manufacturing a protein product.Also offered as BIOE468B.

0101	Ben Woodard	Seats (Total: 20)	
	MTuWThF 1:00pm - 2:50pm	KEB 1200	
	MTuWThF 3:00pm - 4:00pm	CHE 1203	Lab

ENES664 **Business Modeling and Customer Validation**

Credits: 3 Grading Method: Regular

Focuses on how to create and deliver value for customers and extract value for the new venture. Develop business models that encompass the product or service, customers, and the economic engine to meet the venture's financial and growth objectives. Introduces a structured way to think about, analyze, and develop a sound business model that is customer validated.

PLM1	Daniel Gordon	Seats (Total: 50)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENES665 **Innovative Thinking**

Credits: 3 Grading Method: Regular

Introduces students to new and powerful tools to boost their creative problem solving skills. Participants re-discover their communication and teaming skills. Students unlock their creativity potential, and explore win-win approaches to define and solve problems of different kinds. Students are also introduced to topics related to intellectual property.

PLM1	Frankie Abralind	Seats (Total: 50)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENES670 **Financial Management and New Venture Financing**

Credits: 3 Grading Method: Regular

Provides the essential tools and skills to build a strong financial foundation for a new technology venture. Examines accounting principles as well as methods for keeping firm financial control of the venture. Discusses navigating the multitude of financial barriers that may block entrepreneurial success, as well as how to raise the right amount of capital at the right time from the right source.

PLM1	Michael Pratt	Seats (Total: 50)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENES671 **Legal Aspects of Entrepreneurship**

Credits: 3 Grading Method: Regular

Explores critical legal and business issues entrepreneurs face as they build and launch a new venture. Examines real world scenarios, and addresses the legal issues at all of the important junctures along the path to success. Significant attention placed on new venture formation, intellectual property management, and financing arrangements.

PLM1	Wilson White	Seats (Total: 50)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the MPTE Program.	

ENFP Engineering, Fire Protection Winter 2017

ENFP429 **Independent Studies**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

For students who have definite plans for individual study of approved problems, or study of an advanced topic selected in conjunction with the faculty.

Contact department for information to register for this course.

ENFP625 **Advanced Fire Modeling**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of ENGR-Fire Protection Engineering department.

Validity, utility, reliability of current computer models. Applications of models in risk assessment, underwriting, loss prediction, hazard analysis. Development and validation of specific application models.

EF01	Arnaud Trouve	Seats (Total: 40)
	Meets November 28, 2016 - February 24, 2017	
	Class time/details on ELMs	ONLINE
	Permission of the department needed for this section.	

ENFP662 **Performance Based Design**

Credits: 3 Grading Method: Regular, Audit

Credit only granted for: ENFP629E or ENFP662. Formerly: ENFP629E.

This on-line course demonstrates how fire science can be used to solve fire protection problems in the built environment and will provide an understanding of their performance-based design process, deterministic and risk-based analysis techniques, development of design fire scenarios, trial design development and analysis, and building lifecycle management.

EF01	Morgan Hurley	Seats (Total: 40)
	Meets November 28, 2016 - February 24, 2017	
	Class time/details on ELMs	ONLINE
	Permission of department needed for this section.	

ENFP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Development and completion of Master's Thesis.

Contact department for information to register for this course.

ENGL English Winter 2017

ENGL245 **Film Form and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: HA General Education: DSHU

Restriction: Must not have completed FILM245. Also offered as: FILM245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

Click here for more course information.

WB11	Paul Cote	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL275 **Writing to be Seen: Scriptwriting for Theatre, Film, and Television**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHU, DSSP

Also offered as: ARHU275. Credit only granted for: ENGL278D, ENGL275, ARHU319B, or ARHU275. Formerly: ENGL278D; ARHU319B.

Introduction to theory and practice of scriptwriting with opportunity to read, view, evaluate, write, and revise texts meant to be performed for spectators. Practice writing for the stage, film and television, with emphasis on critical reading of textual and visual literary models. Theory and scholarship teaching opportunities and advantages of each format. Application of scholarship to analysis and critique of plays and texts successful across two different formats. Examination of selected scripts, performances, and film and television clips as models for students' own creative work. Frequent writing exercises and use of workshop format.

Click here for more course information.

WB11	Douglas Kern	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL304 **The Major Works of Shakespeare**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Restriction: Must not have completed ENGL403 or ENGL404.

Representative early, middle, and later works, including comedies, tragedies, histories, and romances. Historical and cultural contexts.

Click here for more course information.

WB11	Theodore Kaouk	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL312 **Romantic to Modern British Literature**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Detailed study of selected major texts from the 19th and 20th centuries Transitions from Romanticism to Victorian age to Modernism. Historical, social, literary contexts. Issues such as rise of democracy; industrial revolution; the "woman question"; revolutions in literary form. Authors might include Wordsworth, Austen, Dickens, Arnold, T.S. Eliot, and Woolf.

Click here for more course information.

WB11	Jason Rudy	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL321 **American Comics**

Credits: 3

Grading Method: Regular, Pass-Fail

Survey of the long and vibrant history of the American graphic novel, from its origins in newspapers, through the underground comix movement of the 1960s, to its present moment of cultural ascendency. Exploration of the representational possibilities of comics, the graphic novel, and graphic narrative more broadly as well as the history of its incorporation into high culture.

Click here for more course information.

WB11	Linda Macri	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL359F **Special Topics in Lesbian, Gay, and Bisexual Literatures; Lesbian, Gay, Bisexual, and Transgender Film and Video**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHU, DVUP

Study of selected writers or particular themes in Lesbian, Gay, and Bisexual Literatures.

Also offered as ENGL359F. Credit granted for LGBT327 or ENGL359F. Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people.

WB11	James Goodwin	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ENGL369D **Special Topics in Study Abroad III; Australian Literature and Culture, Aboriginal to Contemporary**

Credits: 1-6

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHU, DVCC

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369N **Special Topics in Study Abroad III; Literature and Culture_New Zealand**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

General Education: DSHU, DVCC

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369T **Special Topics in Study Abroad III; Cultures of Latin America-Readings on Society**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL369Y **Special Topics in Study Abroad III; Australian Literature and Culture**

Credits: 3-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

ENGL375 **J.R.R. Tolkien: Middle-earth and Beyond**

Credits: 3 Grading Method: Regular, Pass-Fail General Education: DSHU

Credit only granted for: ENGL375 or ENGL479D. Formerly: ENGL479D.

Introduction to J.R.R. Tolkien's best-known texts, "The Hobbit" and "The Lord of the Rings," and beyond. Tolkien's source material, themes, and writing style; the mythology of Tolkien's world as found in his posthumously published works; exploration of some of Tolkien's lesser-known works, such as "Farmer Giles of Ham," Smith of Wooten Major," "The Fall of Arthur," "The Legend of Roverandom" and his essay on "Beowulf."

Click here for more course information.

WB11	Christopher Crane Class time/details on ELMs	Seats (Total: 25) ONLINE

ENGL393 **Technical Writing**

Credits: 3 Grading Method: Regular General Education: FSPW

Prerequisite: ENGL101; or students who have taken courses with comparable content may contact the department. Restriction: Must have earned a minimum of 60 credits.

The writing of technical papers and reports.

WB11	Phillip Moses Class time/details on ELMs	Seats (Total: 19) ONLINE
WB12	Pamela Orel Class time/details on ELMs	Seats (Total: 19) ONLINE
WB13	Andrew Delfino Class time/details on ELMs	Seats (Total: 19) ONLINE

ENGL699 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

0104	Ralph Bauer Contact instructor or department for details.	Seats (Total: 10)
0105	Sharada Balachandran Orihuela Contact instructor or department for details.	Seats (Total: 5)
0106	Martha Nell Smith Contact instructor or department for details.	Seats (Total: 10)
0186	Brian Richardson Contact instructor or department for details.	Seats (Total: 5)
I105	Lee Konstantinou Contact instructor or department for details.	Seats (Total: 5)

ENME Engineering, Mechanical Winter 2017

ENME207 **Fabrication and Machine Tool Practices for Engineering**

Credits: 2 Grading Method: Regular

Prerequisite: PHYS161. And ENME272; or students who have taken courses with comparable content may contact the department. Restriction: Permission of ENGR-Mechanical Engineering department.

In order to make the best decisions in product design and development, it is important to understand the capabilities and limitations of different fabrication techniques. Students will learn to identify machine parts and functions, define machine shop terminology, calculate shop formulas and theories, execute machine operations, and apply proper measuring tools.

0101	Babak Eslami	Seats (Total: 10)	
	MTuWThF 12:00pm - 1:00pm	EGL 0101	
	MTuWThF 10:00am - 12:00pm	EGL 0101	Lab

ENME361 **Vibration, Controls and Optimization I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENES220, ENES221, and MATH246; and (ENME271 or MATH206). Restriction: Must be in Engineering: Mechanical program.

Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Vincent Nguyen MTuWThF 10:00am - 1:00pm	Seats (Total: 50) EGR 0108

ENME400 **Machine Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in ENME361. Restriction: Permission of ENGR-Mechanical Engineering department.

Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.

0101	Chandrasekhar Thamire MTuWThF 12:00pm - 3:00pm	Seats (Total: 40) EGR 0135

ENME414 **Computer-Aided Design**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: MATH241; or students who have taken courses with comparable content may contact the department. Credit only granted for: ENME 414 or ENME272.

Introduction to computer graphics. Plotting and drawing with computer software. Principles of writing interactive software. The applications of computer graphics in computer-aided design. Computer-aided design project.

0101	Guangming Zhang MTuWThF 9:00am - 12:00pm	Seats (Total: 42) KEB 2111
0102	Guangming Zhang MTuWThF 12:00pm - 3:00pm	Seats (Total: 42) KEB 2111

ENME445 **Design for Reliability**

Credits: 3 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher.

Failure prevention, accident prevention, design requirements analysis, designing right the first time, high system reliability, software reliability, manufacturing defect prevention, life cycle costs reduction, design reviews, managing the design for reliability, design trustworthiness, product durability, and writing good specifications are covered.

WB11	Baldev Raheja	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENME462 **Vibrations, Controls, and Optimization II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: ENME351 and ENME361.

Continuation of ENME 361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Steven Mitchell	Seats (Total: 48)
	MTuWThF 9:00am - 12:00pm	CHE 2118

ENME488 **Special Problems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced problems in mechanical engineering with special emphasis on mathematical and experimental methods.

Contact department for information to register for this course.

ENME799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**

Credits: 2-3 Grading Method: Regular, Audit

Contact department for information to register for this course.

ENME898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENPM Engineering, Professional Masters Winter 2017

ENPM808 **Advanced Topics in Engineering**

Credits: 1-3 Grading Method: Regular, Audit

Advanced topics selected by the faculty for students in the professiona master of engineering program. May be taken for repeated credit when identified by topic title.

CP01	George Syrmos Contact instructor or department for details.	Seats (Total: 10)

ENRE Reliability Engineering Winter 2017

ENRE489K **Special Topics in Reliability Engineering; Design for Reliability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Selected topics of current importance in reliability engineering.

Pre-requisite: Junior standing.

ER01	Baldev Raheja MTuWThF 9:00am - 12:00pm	Seats (Total: 10) Location: TBA
RE01	Baldev Raheja MTuWThF 9:00am - 12:00pm	Seats (Total: 10) Location: TBA

ENRE799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0102	Mohammad Modarres	Seats (Total: 10)
	Contact instructor or department for details.	

ENSE Systems Engineering Winter 2017

ENSE799 **Systems Engineering Thesis**

Credits: 1-6 Grading Method: Regular

The application of systems engineering concepts, principles, and theories will be applied to the Master's Thesis project. Project/thesis work will be defined and selected early in student's program and supervised by a university faculty mentor.

0102	John Baras	Seats (Total: 1)
	Contact instructor or department for details.	
0116	Jeffrey Herrmann	Seats (Total: 50)
	Contact instructor or department for details.	
0125	Gang Qu	Seats (Total: 10)
	Contact instructor or department for details.	

ENSP Environmental Science and Policy Winter 2017

ENSP386 **Internship**

Credits: 3-6 Grading Method: Regular

Restriction: Must have internship proposal approved by the concentration advisor, the director of ENSP and the student's internship sponsor.

I101	Bruce James	Seats (Total: 5)
	Contact instructor or department for details.	
I124	Andrew Baldwin	Seats (Total: 5)
	Contact instructor or department for details.	

ENSP399Z **Special Topics in Environmental Science and Policy; Environmental Sustainability**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

A substantive and specialized examination of contemporary issues in environmental science or policy.

Contact department for information to register for this course.

ENTM Entomology Winter 2017

ENTM730 **Plant Diagnostics**

Credits: 3 Grading Method: Regular

Additional information: This will be an online graduate course for The Master of Professional Studies in Applied Entomology.

The first step to managing pest and disease problems in plants is an accurate diagnosis. In this course, students will learn about the various biotic (living) and abiotic (nonliving) factors that can contribute to plant problems, and how to evaluate evidence and distinguish between these factors to arrive at an accurate diagnosis.

PLE1	Karen Rane	Seats (Total: 10)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the Professional Entomology Program.	

ENTM747 **Pollinator Health**

Credits: 3 Grading Method: Regular

Additional information: This will be an online graduate course for The Master of Professional Studies in Applied Entomology.

Students will be given an overview of the importance of insect pollinators and threats to their populations. Emphasis will be placed on managed pollinators, particularly but not exclusively honey bees, where disease mitigation plans will be highlighted.

PLE1	Alana Pindar	Seats (Total: 10)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the Professional Entomology Program.	

ENTM760 **Insects in the 21st Century**

Credits: 3 Grading Method: Regular

This course will explore the influence and impact of major technological advances in genetics, molecular genetics and biotechnology on the study of insects. Topics will include the use of insects as models for studying human biology and diseases; the use of genetics and genetic technologies to augment existing strategies for managing pest insects and well as the invention of novel management approaches; the use of genetics and genetic technologies in the fields of insect conservation, ecology and evolution.

PLE1	David O'Brochta	Seats (Total: 10)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the Professional Entomology Program.	

EPIB Epidemiology and Biostatistics Winter 2017

EPIB785 **Internship in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Epidemiology & Biostatistics department.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

I109	Brit Saksvig	Seats (Total: 10)
	Contact instructor or department for details.	

EPIB788 **Critical Readings in Epidemiology and Biostatistics**

Credits: 1-3 Grading Method: Regular, Audit

Open to master and doctoral students to discuss critical readings in Epidemiology and Biostatistics.

0101	Robert Gold	Seats (Total: 5)
	Contact instructor or department for details.	
0102	Dushanka Kleinman	Seats (Total: 5)
	Contact instructor or department for details.	
0103	Sunmin Lee	Seats (Total: 5)
	Contact instructor or department for details.	

0104	Typhanye Dyer Contact instructor or department for details.	Seats (Total: 5)
0105	Hongjie Liu Contact instructor or department for details.	Seats (Total: 5)
0106	Shuo Chen Contact instructor or department for details.	Seats (Total: 5)
0108	Mei-Ling Lee Contact instructor or department for details.	Seats (Total: 5)
0109	Olivia Carter-Pokras Contact instructor or department for details.	Seats (Total: 5)
0120	Cher Dallal Contact instructor or department for details.	Seats (Total: 5)
0121	Xin He Contact instructor or department for details.	Seats (Total: 5)
0122	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0131	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0132	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0133	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0134	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0135	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0136	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

EPIB798 **Independent Study**

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular

0101	Robert Gold Contact instructor or department for details.	Seats (Total: 10)
0102	Dushanka Kleinman Contact instructor or department for details.	Seats (Total: 5)
0103	Sunmin Lee Contact instructor or department for details.	Seats (Total: 5)
0104	Typhanye Dyer Contact instructor or department for details.	Seats (Total: 5)
0105	Hongjie Liu Contact instructor or department for details.	Seats (Total: 5)
0106	Shuo Chen Contact instructor or department for details.	Seats (Total: 5)
0108	Mei-Ling Lee Contact instructor or department for details.	Seats (Total: 5)
0109	Olivia Carter-Pokras Contact instructor or department for details.	Seats (Total: 5)
0120	Cher Dallal Contact instructor or department for details.	Seats (Total: 5)
0121	Xin He Contact instructor or department for details.	Seats (Total: 5)

0122	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0131	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0132	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0133	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0134	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0135	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0136	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

EPIB899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Robert Gold Contact instructor or department for details.	Seats (Total: 5)
0102	Dushanka Kleinman Contact instructor or department for details.	Seats (Total: 5)
0103	Sunmin Lee Contact instructor or department for details.	Seats (Total: 5)
0104	Typhanye Dyer Contact instructor or department for details.	Seats (Total: 5)
0105	Hongjie Liu Contact instructor or department for details.	Seats (Total: 5)
0106	Shuo Chen Contact instructor or department for details.	Seats (Total: 5)

0108	Mei-Ling Lee Contact instructor or department for details.	Seats (Total: 5)
0109	Olivia Carter-Pokras Contact instructor or department for details.	Seats (Total: 5)
0120	Cher Dallal Contact instructor or department for details.	Seats (Total: 5)
0121	Xin He Contact instructor or department for details.	Seats (Total: 5)
0122	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0131	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0132	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0133	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0134	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0135	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0136	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

FILM Film Studies Winter 2017

FILM245 **Film Form and Culture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA | General Education: DSHU

Restriction: Must not have completed ENGL245. Also offered as: ENGL245. Credit only granted for: CMLT214, CMLT245, ENGL245, or FILM245. Formerly: CMLT214.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

WB11	Paul Cote	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

FILM319J **Special Topics in Documentary, Animation, Experimental Cinema, and Other Visual Media; Jim Henson: Art, Media, Muppets**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examine the possibilities of non-narrative cinema, or cinema that is structured differently from the fiction feature film, as well as other media (television, digital imagery, and photography) that entertain a close relationship with cinema in terms of form, content, and audience. Content varies.

This course follows the professional and artistic life of Jim Henson to analyze major changes that have occurred in international media from the 1950s through the 1990s.

WB11	Brian Real	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

FILM329D **Special Topics in National/International Cinemas; Action, Adventure, and Spectacle Film in World Cinema**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.

In this online course, we will screen and study critically some of the most important examples of action, adventure, and spectacle films from the international and transnational perspectives. Films to be screened may include Seven Samurai, The Wild Bunch, Ringo and His Golden Pistol, Once Upon a Time in China, Star Wars, Point Break, Saving Private Ryan, Deep Impact, Spy Kids, Jurassic Park, Breakdown, Enter the Dragon, Hard-Boiled, Run Lola Run, La Femme Nikita, Last Action Hero, Salt, Lara Croft: Tomb Raider, The Peacemaker, The Matrix, District 13, and Crouching Tiger, Hidden Dragon. The course will pay attention to female film makers as well as action films featuring female leads. Through these screenings in conjunction with critical writings by established and young scholars in film studies and cultural studies, we hope to explore the historical, esthetic, generic, institutional, and political significance of these films. We also hope to touch upon questions of national identity, gender, class, heroism, and ethnicity as well as ways of the spectators engagement with the action body and the action narrative.

WB11	Jason Kuo	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

FILM341 **Filming War Zones: Representations of Wars in Iraq & Chechnya**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as: ARAB341. Credit only granted for: ARAB341 or FILM341.

Investigation of how diverse political, cultural and religious agendas of the late 20th through early 21st centuries construct a wide variety of war fictions, or ideologically informed war narratives

Also offered as: ARAB341. Credit only granted for: ARAB341 or FILM341. Comparative study of ideological and cultural discourses in war films covering military conflicts in Iraq and Chechnya in late 20th-early 21st centuries. Materials include American, Middle Eastern, and Russian feature films and documentaries; theories of propaganda, ideology and popular culture.

WB11	Valerie Anishchenkova	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

FMSC Family Science Winter 2017

FMSC111 **Credit Cards and College Students**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC111, FMSC341 or FMSC498D. Formerly: FMSC498D.

Provides college students with factual information about basic money management skills, emphasizing the responsible use of credit, specifically credit cards. Topics will include financial goals, spending plan, wise use of credit, debt management, consumer credit protection, and ID Theft. Online lessons will include video clips and interactive class activities. Students will learn the basics to build a strong financial future.

WB11	Jinhee Kim	Seats (Total: 45)
	Class time/details on ELMs	ONLINE

FMSC260 **Couple Relationships**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Credit only granted for: FMSC260 or FMST260. Formerly: FMST260.

Couple relationships and their alternatives in contemporary dating, courtship and marriage.

For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Elise Resnick	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

FMSC310 **Maternal, Child and Family Health**

Credits: 3 Grading Method: Regular, Pass-Fail

Credit only granted for: FMSC310, FMSC410 or FMSC498A. Formerly: FMSC498A and FMSC410. Additional information: A comprehensive understanding of maternal, child, and family health, with additional emphasis on environmental health, needs assessment and evaluation, enabling students to more effectively address issues in the workplace.

Overview of the major issues in Maternal, Child, and Family Health in the U.S. and the world. The course will cover the social, political, environmental, and economic factors that shape the health of women, children, and families throughout the life course. It will employ the core disciplines of public health -- 1) epidemiology/biostatistics, 2) environmental health, 3) health policy and administration, and 4) social and behavioral health -- to examine these factors. The course introduces specific issues and interventions and places these issues and interventions within their broad sociohistorical context.

WB11	Diana Cassar-Uhl	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

FMSC332 **Children in Families**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

Prerequisite: PSYC100 or FMSC105. Credit only granted for: FMSC332 or FMST332. Formerly: FMST332.

A family life education approach to the study of children and families. Emphasis on the interaction of children with parents, siblings, extended kin, and the community.

WB11	Deirdre Quinn	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

FMSC341 **Personal and Family Finance**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Credit only granted for: FMSC341 or FMST341. Formerly: FMST341.

Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	William Knight Class time/details on ELMs	Seats (Total: 25) ONLINE
WB12	Katherine Speirs Class time/details on ELMs	Seats (Total: 35) ONLINE

FMSC383 Delivery of Human Services to Families

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: FMSC330. Restriction: Must be in a major within SPHL-Family Science department. Credit only granted for: FMSC383 or FMST383. Formerly: FMST383.

Processes of service delivery with special emphasis upon relationships among managers, service providers and clients. The impact of human service systems on families.

http://oes.umd.edu/winter-term/courses-workshops/course-highlights/fmsc

For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Amanda Berger Class time/details on ELMs	Seats (Total: 35) ONLINE

FMSC420 African American Families

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Recommended: FMSC330. Credit only granted for: FMSC420 or FMSC498F. Formerly: FMSC498F.

Examination of the history, structure, cultural foundation, and diversity of African American family life is the focus of this class. Presentations and discussions enable students to identify, analyze, and assess: (1) the major theoretical perspectives used in the study of African American families; (2) the impact of social policy on African American families; and (3) specific areas of family life (e.g., marriage and divorce, parenting, child development, health disparities).

WB11	Mia Smith-Bynum	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

FMSC425 **Military and Veteran Family Services**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC425 or FMSC498W. Formerly: FMSC498W.

Overview of issues impacting contemporary military families including during times of war. Identification of challenges faced by military families related to deployment/reunion and mental and physical health, as well as support systems available. Examination of skills and strategies for working with service members, veterans, and military families.

WB11	Patricia Fanflik	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

FMSC460 **Violence in Families**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS, DVUP

Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460.

Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Christine Schull	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

FMSC487 **Legal Aspects of Family Problems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Credit only granted for: FMSC487 or FMST487. Formerly: FMST487.

Laws and legal procedures, with emphasis on adoption, marriage, divorce, annulment, and property rights, and how they affect family life.

For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Kerry Tripp	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

FMSC689 **Research Internship**

Credits: 1-3 Grading Method: Regular

Research experience resulting in a scholarly article suitable for publication in a peer-reviewed journal.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

Arranged group study on specific topic which may vary from term to term.

Contact department for information to register for this course.

FMSC698P **Advanced Topics in Family Science; Play Therapy**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Arranged group study on specific topic which may vary from term to term.

Contact department for information to register for this course.

FMSC698T **Advanced Topics in Family Science; N COUPLES AND FAMILY THERAPY**

Credits: 1-3 Grading Method: Regular, Audit

Arranged group study on specific topic which may vary from term to term.

0101	Elise Resnick	Seats (Total: 25)
	MTuTh 9:00am - 1:15pm	Location: TBA

FMSC698V **Advanced Topics in Family Science; Violence in Families**

Credits: 3 | Grading Method: Regular, Audit

Arranged group study on specific topic which may vary from term to term.

WB11	Christine Schull	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

FMSC699 **Independent Study**

Credits: 1-6 | Grading Method: Regular, Audit

Contact department for information to register for this course.

FMSC799 **Master's Thesis Research; Master Thesis Research**

Credits: 1-6 | Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

GEOG Geographical Sciences Winter 2017

GEOG110 **The World Today: Global Perspectives**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP

The most critical issue facing the world today is the sustainability of both human and physical systems in the 21st century. This class uses the context of regions of the world to explore the 21st century issues of climate change, development, politics, economy, and demography. Each region will be used to highlight aspects of sustainability.

WB11	Vanessa Kirn	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

GEOG130 **Developing Countries**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB, D | General Education: DSHS, DSSP

An introduction to the geographic characteristics of the development problems and prospects of developing countries. Spatial distribution of poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected developing countries.

0101	Ronald Luna	Seats (Total: 20)
	MTuWTh 10:00am - 1:30pm	LEF 1220

GEOG140 **Natural Disasters: Earthquakes, Floods, and Fires**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: PS	General Education: DSNS, SCIS

Catastrophic Environmental Events (CCE) that are becoming more common i this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.

0101	Quentin Stubbs	Seats (Total: 25)
	MTuWTh 1:30pm - 5:00pm	LEF 1201

GEOG202 **Introduction to Human Geography**

Credits: 3	Grading Method: Regular, Pass-Fail, Audit	CORE: SB	General Education: DSHS, DVCC

Introduction to what geographers do and how they do it. Systematic stud of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

This course will be taught online athttp://elms.umd.edu using Live Classroom software.

WB11	Jennifer Hinojosa	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GEOG212 **Career Planning for Geographical Sciences, GIS, and ENSP Majors**

Credits: 1	Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in one of the following programs (Geography; GEOG-GIS & Computer Cartography).

Increase student knowledge of professional development opportunities in Geographical Sciences through classroom activities and invited speakers, and to build awareness of career development tools and strategies.

WB11	Amanda Hall	Seats (Total: 40)	
	Class time/details on ELMs	ONLINE	Lab

GEOG306 **Introduction to Quantitative Methods for the Geographic Environmental Sciences**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software.

There is a $40.00 lab fee with this course. This course will be taught online at http://elms.umd.edu using Live Classroom software.

WB11	Nathan Burtch	Seats (Total: 30)
	MTuWTh 6:00pm - 9:30pm	ONLINE

GEOG328B **Topics in Regional Geography; Geography of the Southern Caribbean**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Selected topics in regional geography.

Contact department for information to register for this course.

GEOG330 **As the World Turns: Society and Sustainability in a Time of Great Change**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHS, DVUP, SCIS

Credit only granted for: GEOG330, GEOG360, or GEOG362. Formerly: GEOG362.

Cultural geography course on society and sustainability. Culture is the basic building block that is key to sustainability of societies. Course will cover sustainability of societies on different scales, examining local, regional, and worldwide issues. Sustainability will be examined as a key element of environmental sustainability. How societies adjust to rapid world change will be examined as a positive and/or negative factor in sustainability.

WB11	Rachel Berndtson	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

WB12	Byron Marroquin	Seats (Total: 50)	
	Class time/details on ELMs	ONLINE	

GEOG372 **Remote Sensing**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Principles of remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships.

There is a $40.00 lab fee with this course.

0101	Michael Humber	Seats (Total: 24)	
	MTuWTh 9:00am - 11:00am	LEF 1171	
	MTuWTh 11:00am - 1:00pm	LEF 1138	Lab

GEOG373 **Geographic Information Systems**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases.

There is a $40.00 lab fee with this course. This course will be taught online athttp://elms.umd.edu using Live Classroom software.

0101	Naijun Zhou	Seats (Total: 45)	
	MTuWTh 10:00am - 12:00pm	LEF 1158	
	MTuWTh 12:00pm - 2:00pm	LEF 1136	Lab
WB11	Rachel Marks	Seats (Total: 45)	
	MTuWTh 6:00pm - 9:30pm	ONLINE	

GEOG376 **Introduction to Computer Programming for GIS**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in MATH120, MATH130, or MATH140; or must have completed MATH220. And GEOG373; or permission of BSOS-Geography department.

Introduces conceptual and practical aspects of programming for geographic applications. The main focus is on developing a solid understanding of basic programming techniques irrespective of the specific programming language including variables, looping, conditional statements, nesting, math, strings, and other concepts. In addition, students will develop a proficiency in applying these basic programming principles to manipulating spatial data sources within the Geographic Information Systems (GIS).

Students must pay a $40.00 laboratory materials fee.

WB11	Ruibo Han	Seats (Total: 35)
	MTuWTh 6:00pm - 9:30pm	ONLINE

GEOG384 **Internship in Geography I**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

I101	Ronald Luna	Seats (Total: 10)
	Contact instructor or department for details.	

GEOG385 **Internship in Geography II**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

I101	Ronald Luna	Seats (Total: 5)
	Contact instructor or department for details.	

GEOG473 **Geographic Information Systems and Spatial Analysis**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GEOG306 and GEOG373; or students who have taken courses with comparable content may contact the department. Credit only granted for: GEOG473 or GEOG482. Formerly: GEOG482.

Analytical uses of geographic information systems; data models for building geographic data bases; types of geographic data and spatial problems; practical experience using advanced software for thematic domains such as terrain analysis, land suitability modeling, demographic analysis, and transportation studies.

There is a $40.00 lab fee with this course. This course will be taught online at http://elms.umd.edu using Live Classroom software.

WB11	Naijun Zhou	Seats (Total: 30)
	MTuWTh 5:00pm - 8:30pm	ONLINE

GEOG498 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Independent study under individual guidance.

Contact department for information to register for this course.

GEOG652 **Digital Image Processing and Analysis**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG579 or GEOG506; or students who have taken courses with comparable content may contact the department. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in the Geospatial Information Sciences (Graduate Certificate) program.

Digital image processing and analysis applied to satellite and aircraft land remote sensing data. Consideration is given to preprocessing steps including calibration and geo registration. Analysis methods include digital image exploration, feature extraction thematic classification, change detection, and biophysical characterization. One or more application examples may be reviewed.

Contact department for information to register for this course.

GEOG656 **Programming and Scripting for GIS**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG653. Restriction: Must be in M.Prof.Studies: Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.

An introduction to programming and scripting for intermediate GIS users. The fundamental concepts of computer programming will be introduced within the Geoprocessing framework in ArcGIS primarily using Python. Basic concepts of object-oriented programming and scripting will be presented. Students will develop skills in programming techniques to explore, manipulate and model spatial data using the Geoprocessor methods.

Contact department for information to register for this course.

GEOG660 **Advanced Remote Sensing Using Lidar**

Credits: 3 Grading Method: Regular

Prerequisite: GEOG652. Recommended: GEOG656 and GEOG654. Credit only granted for: GEOG660 or GEOG788G. Formerly: GEOG788G.

Lidar, also known as laser scanning, is an active remote sensing tool that can produce high-resolution point clouds. Lidar is being applied to problems such as terrain modeling, biomass estimation, change detection, feature extraction, and measuring tree canopy. Topics covered are fundamentals of lidar, current developments in lidar technology, and different applications where lidar is being used. Students will get hands-on learning about lidar data management, processing, and analysis.

Contact department for information to register for this course.

GEOG677 **Internet GIS**

Credits: 3 Grading Method: Regular, Audit

Recommended: GEOG676. Restriction: Permission of BSOS-Geography department.

Online course delivers information on the use of GIS applications on th Internet. Covers hardware/software structure of the Internet, the means for communicaton between Internet-connected devices, applications that provide GIS program and data, and performance and security concerns.

Contact department for information to register for this course.

GEOG788C **Selected Topics in Geography; GIS and Hadoop**

Credits: 1 Grading Method: Regular, Audit, Sat-Fail

Readings and discussion on selected topics in the field of geography.

0101	Ruibo Han	Seats (Total: 25)
	Meets January 3, 2017 - January 6, 2017	
	TuWThF 9:00am - 12:45pm	KEY 0119

GEOG789 **Independent Readings**

Credits: 1-3 | Grading Method: Regular, Audit

Independent reading as arranged between a graduate faculty member and graduate student.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

Credits: 1-8 | Grading Method: Regular, Sat-Fail

0101	Ralph Dubayah	Seats (Total: 5)
	Contact instructor or department for details.	

GEOL Geology Winter 2017

GEOL799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 | Grading Method: Regular, Sat-Fail

0101	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

GVPT Government and Politics Winter 2017

GVPT100 **Scope and Methods for Political Science Research**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSSP

An introduction to empirical research in political science.

WB11	Ted Plettner	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT170 **American Government**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

A comprehensive study of national government in the United States.

WB11	Kelsey Hinchliffe	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT200 **International Political Relations**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DVUP

Prerequisite: GVPT100.

A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

WB11	David Prina	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT241 **The Study of Political Philosophy: Ancient and Modern**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

Restriction: Must be in Government & Politics program; or must be in Government & Politics: International Relations program.

Examines some of the salient continuities and breaks between the ancient and modern traditions in Western political philosophy.

WB11	James Glass	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

GVPT273 **Introduction to Environmental Politics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSSP

An overview of modern environmental philosophy, politics, and policy, exploring environmental politics in the US by way of comparison with other developed and developing countries.

WB11	Stephen Arves	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT280 **The Study of Comparative Politics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT100.

An introduction to the comparative study of politics and governance, including the analytical concepts for studies of politics and a survey of the major types of regimes, including democratic and authoritarian/communist regimes.

WB11	Mary Schneider	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT306 **Global Environmental Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: GVPT200.

Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.

WB11	Jennifer Wallace	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT309F **Topics in International Relations; Chile: Chilean Culture, Democracy and Social Change**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

Contact department for information to register for this course.

GVPT309Q **Topics in International Relations; Guerrillas, Insurgents, and Terrorists: Asymmetric Warfare in the Contemporary World**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

WB11	Allison Patch	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT309R **Topics in International Relations; Human Rights and World Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in international relations.

Human rights have become an increasingly central issue in world politics This course introduces students to politics of international human rights. It examines theories and development of global human rights regime and a variety of human rights issues in world politics including humanitarian interventions, refugee crisis, modern slavery, and North Korean human rights.

WB11	Hyo Chang	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT351 **Model United Nations**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DVCC

Restriction: Must be in College Park Scholars program; and must be in GVPT International Studies program. Formerly: GVPT388S.

Students are prepared for the model United Nations Conference held at Harvard University every February.

WB11	Margaret McWeeney, Catherine Kane	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

GVPT358K **Study Abroad Seminar in Political Science; From the Pampas to the Andes: Political Culture and Local Politics in Argentina**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in political science.

Contact department for information to register for this course.

GVPT359C **Topics in Comparative Politics; Gender and Politics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in comparative politics.

Also offered as WMST498Q. Credit granted for GVPT359C or WMST498Q. The course will introduce students to the main topics in Gender and Politics scholarship. Using feminist scholarship to create the lens within which to analyze political science texts. Race, sexual orientation, class, and gender identity are all fundamental to the critical analysis of the who, where, what and when of gender politics. This class covers diverse issues such as; women's participation in political parties, women as voters and candidates in political elections , feminism and the state, and gender and international politics.

WB11	Noa Balf	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT379E **Topics in American Politics; Inequality and American Political Representation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The study of topics in American politics.

WB11	Katti McNally	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT388T **Topical Investigations; Germany in the New Europe: Politics, Business, and Culture**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Independent research and writing on selected topics in government and politics.

Contact department for information to register for this course.

GVPT409J **Seminar in International Relations and World Politics; Multi-Track Diplomacy and Conflict Transformation**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

This course aims to develop the concepts and professional and skills needed to facilitate transformation of complex societal conflicts, including those rooted in ethnic, religious or cultural tensions. Also, meets Friday, 1-20-2017. Snow Day make-up Jan. 21-22 if needed. GVPT409Kis strongly recommended as a concurrent course.

0101	John Davies, Edward Kaufman	Seats (Total: 30)
	MTuWTh 6:00pm - 9:15pm	TYD 1102

GVPT409K **Seminar in International Relations and World Politics; Workshop in Multi-Track Diplomacy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Reading, writing, and research on topics in international relations and world politics. Both substantive issues and methodological approaches will be considered.

This workshop will develop skills in multi-track diplomacy and apply them to search for common ground in the current conflict in Israel-Palestine. A simulation engaging influential civil society representatives will be co-facilitated by workshop instructors with over30 years' experience working with this and other conflicts around the world. Two consecutive weekend workshop sessions: January 6-8 and 13-15.Snow day makeup: Jan. 21-22, if needed. GVPT409J is strongly recommendedas a concurrent course.

0101	John Davies, Edward Kaufman	Seats (Total: 30)
	F 6:00pm - 9:00pm	TYD 1101
	SaSu 9:00am - 1:00pm	TYD 1101
	SaSu 2:00pm - 6:00pm	TYD 1101

GVPT808J **Selected Topics in Functional Problems in International Relations; Multi-Track Diplomacy and Conflict Transformation**

Credits: 3 Grading Method: Regular, Audit

An examination of the major substantive issues in contemporary international relations.

This course aims to develop the concept and professional skills needed to facilitate transformation of complex societal conflicts, includingthose rooted in ethnic, religious or cultural tensions. Also, meets Friday, 1-20-2017. from 6-9:15pm. Snow Day makeup: Jan. 21-22, if needed. GVPT808K is strongly recommended as a concurrent course.

0101	John Davies, Edward Kaufman	Seats (Total: 30)
	MTuWTh 6:00pm - 9:15pm	TYD 1102

GVPT808K **Selected Topics in Functional Problems in International Relations; Workshop in Multi-Track Diplomacy**

Credits: 3 Grading Method: Regular, Audit

An examination of the major substantive issues in contemporary international relations.

This workshop will develop skills in multi-track diplomacy and apply them to search for common ground in the current conflict in Israel-Palestine. A simulation engaging influential civil society representatives will be co-facilitated by workshop instructors with over30 years' experience working with this and other conflicts around the world. Two consecutive weekend workshop sessions: January 6-8 and 13-15.Snow Day make-up: Jan. 21-22, if needed. GVPT808J is strongly recommended as a concurrent course.

0101	John Davies, Edward Kaufman	Seats (Total: 30)
	F 6:00pm - 9:00pm	TYD 1101
	SaSu 9:00am - 1:00pm	TYD 1101
	SaSu 2:00pm - 6:00pm	TYD 1101

GVPT898 **Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular, Sat-Fail

Guided readings and discussions on selected topics in political science.

Contact department for information to register for this course.

HESI Higher Ed, Student Affairs, and International Ed Policy — Winter 2017

HESI318A **Applied Contextual Leadership; Leadership in Film**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

WB11	Anne Spear, Kristen Rupert	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

HESI318F **Applied Contextual Leadership; Adventure in Leaderhsip in Patagonia**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

This expedition-style course is designed to introduce students to adventure recreation opportunities in Patagonia Chile while promoting leadership development. Through a nine day backpacking and camping trip in Torres del Paine National Park and a day kayaking trip along the ice fjords, students will be challenged to use their experiences as opportunities for inter- and intra-personal growth. The course will consist of pre-trip classroom sessions, international travel and a post-trip debrief session and assignment. Restrictions/Permissions/Pre-requisites: 2.5 minimum GPA, undergraduate students only; application through Education Abroad and interview with course instructor (ameven@umd.edu) required

Contact department for information to register for this course.

HESI418E **Special Topics in Leadership; Strengths-Based Leadership**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

The special topics and leadership course will address a single topic related to leadership through the semester. In-depth study and analysis on the topic will be the basis for the course. Topics include gender and leadership, ethics and leadership, and culture and leadership. Leadership will serve as the foundation in the course.

WB11	Melissa Rocco	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

HESP Hearing and Speech Sciences Winter 2017

HESP202 **Introduction to Hearing and Speech Sciences**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An introduction to communication sciences and disorders; a survey of th bases of normal speech, language and hearing ability, major forms of communicative disorders and their treatment.

WB11	Melissa Licata	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

HESP313 **Neurobiology for Speech and Hearing**

Credits: 2 Grading Method: Regular, Pass-Fail, Audit

This course is designed to provide an understanding of normal neuroanatomy and neurophysiology of speech and language. It will also provide preliminary information regarding pathologic processes, especially those affecting speech and language

HY11	Donna Tippett	Seats (Total: 20)
	Meets January 3, 2017 - January 23, 2017	
	TuTh 5:30pm - 9:40pm	LEF 0135
	Contact instructor or department for details.	

HESP386 **Experiential Learning**

(Perm req)

Credits: 3-6 Grading Method: Regular, Pass-Fail

Restriction: Junior standing or higher; and permission of BSOS-Hearing & Speech Sciences department.

0116	Nan Ratner	Seats (Total: 10)
	Contact instructor or department for details.	

HESP499 **Independent Study**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

A directed study of selected topics pertaining to human communication and its disorders.

Contact department for information to register for this course.

HESP617 **Cultural and Linguistic Diversity in Communication and its Disorders**

Credits: 2

Grading Method: Regular, Audit

Recommended: HESP417 or equivalent. Restriction: Must be in one of the following programs (Hearing and Speech Sciences: Ph.D. (Doctoral); Clinical Audiology: Au.D. or Ph.D. (Doctoral); Hearing and Speech Sciences: M.A. (Master's)).

An exploration and discussion of cultural and linguistic diversity, its impact on communication and communication disorders, and strategies for assessment and intervention of culturally and linguistically diverse clients

0101	Eusabia Mont	Seats (Total: 30)
	MTuWTh 10:00am - 12:15pm	LEF 0135

HESP638 **Research Practicum**

Credits: 1-3

Grading Method: Regular, Audit

Analysis, synthesis and integration of knowledge related to current research or clinical issues in human communication and its related disorders.

Contact department for information to register for this course.

HESP639 **Special Topics in Hearing and Speech Sciences; Medical Speech-Language Pathology: Head and Neck Cancer Rehabilitation**

Credits: 2

Grading Method: Regular, Audit

Intensive coverage of selected topics of current interest.

This course will be held at Johns Hopkins Department of Otolaryngology - Head and Neck Surgery: Johns Hopkins Outpatient Center, 601 N. Caroline St, Baltimore, 21287. HOC 2140/2150 (conference floor on 2nd floor of outpatient center), except for Thursday, Jan. 19th when it will be in JHOC 6150.

0101	Kimberly Webster **Meets January 13, 2017 - January 20, 2017** TuWThF 3:30pm - 8:30pm	Seats (Total: 20) Location: TBA

HESP649A **Clinical Practice in Audiology; Diagnostic Audiology**

Credits: 1-2 Grading Method: Regular, Audit

Supervised training in the application of clinical methods in the diagnosis and treatment of hearing disorders.

Contact department for information to register for this course.

HESP704 **Audiology Practice Management**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: HESP606, HESP706, HESP700, and HESP701; or permission of instructor.

Basics of clinical business management both in the context of private practice in Audiology and as a department in a healthcare corporation.

0101	Samira Anderson MTuWTh 2:30pm - 6:00pm	Seats (Total: 15) LEF 1221

HESP708 **Independent Study**

Credits: 1-6 Grading Method: Regular, Audit

Individual research projects under guidance of a faculty member.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HESP849 **Capstone Research Project I**

Credits: 2 Grading Method: Regular

First of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves individual study and/or supervised lab work with mentor, preparation of research proposal (including IRB protocol if required), and attendance at Capstone Research Project Workshop.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

Credits: 1-2 Grading Method: Regular

Second of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves final data collection, analysis and presentation of results or completion of scholarly paper under the direction of the faculty mentor.

Contact department for information to register for this course.

HESP889 **Doctoral Candidacy Research**

Credits: 1-3 Grading Method: Regular

Doctoral candidacy paper research

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

HIST History Winter 2017

HIST137 **Pursuits of Happiness: Ordinary Lives in the American Revolution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH General Education: DSHS, SCIS

Credit only granted for: HIST289E or HIST137. Formerly: HIST289E.

Investigates the search for personal fulfillment unleashed by the American Revolution; explores the many different meanings ascribed to the notion of the "pursuit of happiness" by Americans in the early national period.

WB11	Richard Bell	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST200 **Interpreting American History: Beginnings to 1877**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DSHU

Credit only granted for: HIST156 or HIST200. Formerly: HIST156.

The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

WB11	Nicole Mahoney	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST201 **Interpreting American History: From 1865 to the Present**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SH | General Education: DSHS, DSHU, DVUP

Credit only granted for: HIST157 or HIST201. Formerly: HIST157.

The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

WB11	Robert Chiles	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST219K **Special Topics in History; London and the British Empire, 1500-1850**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

HIST319I **Special Topics in History; The End of the World: A Global History**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

This course will examine the many ways humans have imagined, feared, hoped, and prepared for the end of the world, in societies cross the world from antiquity to the present.

0101	Jonathan Allen	Seats (Total: 40)
	MTuWThF 12:00pm - 3:00pm	KEY 0116

HIST328R **Selected Topics in History; The Global History of Soccer: Politics, Culture, and Society**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

WB11	Daniel Richter	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST329K **History of Rock and Roll, 1950 - 2000**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SH

WB11	Andrew Kellett	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST329N **Special Topics in History; Chile: Chilean Culture, Democracy and Social Change**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Also offered as ARHU319C, CMLT498C, and LASC448N. Study of the relationship between Chilean literary arts and politics during the time of the 1973 coup d'etat and following. Writings by authors Pablo Neruda, Isabel Allende, Pia Barros, Pedro Lemebel, and others. Visits to historic sites such as the homes of Pablo Nerudo and Villa Grimaldi included.

Contact department for information to register for this course.

HIST357 **Recent America: 1945-Present**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: HIST201, HIST211, HIST213, HIST222, HIST255, or HIST275; or must have completed HIST157; or permission of instructor.

American history from the inauguration of Harry S. Truman to the presen with emphasis upon politics and foreign relations, but with consideration of special topics such as radicalism, conservatism, and labor.

WB11	Howard Smead	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HLSA Health Services Administration Winter 2017

HLSA300 **Introduction to Health Policy and Services**

Credits: 3 Grading Method: Regular

Prerequisite: Minimum grade of C- in CHEM131 and CHEM132. Restriction: Must be in Public Health Science program; and junior standing or higher. Credit only granted for: SPHL498P or HLSA300. Formerly: SPHL498P.

This course provides a multidimensional view of public health policy and services. Through interactive discussion of assigned readings, team-based learning, and supplementary lecture, students will learn about the nature of and development of policy, public health policy, and financing and delivery of health care services. Concepts such as unintended consequences, association versus causation, evidence-based information, and the challenges of deconstructing available data, will be discussed throughout the course with the purpose of strengthening student abilities to analyze and challenge assumptions. This course will place a significant emphasis on a team-based learning approach to understanding the health care system and health care reform.

WB11	Robin Bloodworth	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

HLSA688 **Independent Study**

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

0102	Lori Simon-Rusinowitz	Seats (Total: 10)
	Contact instructor or department for details.	
0103	Neil Sehgal	Seats (Total: 10)
	Contact instructor or department for details.	
0104	Andrew Fenelon	Seats (Total: 10)
	Contact instructor or department for details.	
0105	Michel Boudreaux	Seats (Total: 10)
	Contact instructor or department for details.	
0106	Dylan Roby	Seats (Total: 10)
	Contact instructor or department for details.	
0107	Luisa Franzini	Seats (Total: 10)
	Contact instructor or department for details.	
0108	Stephen Thomas	Seats (Total: 10)
	Contact instructor or department for details.	
0109	Jie Chen	Seats (Total: 10)
	Contact instructor or department for details.	

HLSA785 **Internship in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Health Services Administration department.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

0102	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 10)
0103	Neil Sehgal Contact instructor or department for details.	Seats (Total: 10)
0104	Andrew Fenelon Contact instructor or department for details.	Seats (Total: 10)
0105	Michel Boudreaux Contact instructor or department for details.	Seats (Total: 10)
0106	Dylan Roby Contact instructor or department for details.	Seats (Total: 10)
0107	Luisa Franzini Contact instructor or department for details.	Seats (Total: 10)
0108	Stephen Thomas Contact instructor or department for details.	Seats (Total: 10)
0109	Jie Chen Contact instructor or department for details.	Seats (Total: 10)

HLSA786 **Capstone Project in Public Health**

Credits: 3 Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Health Services Administration department.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

0102	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 10)

0103	Neil Sehgal Contact instructor or department for details.	Seats (Total: 10)
0104	Andrew Fenelon Contact instructor or department for details.	Seats (Total: 10)
0105	Michel Boudreaux Contact instructor or department for details.	Seats (Total: 10)
0106	Dylan Roby Contact instructor or department for details.	Seats (Total: 10)
0107	Luisa Franzini Contact instructor or department for details.	Seats (Total: 10)
0108	Stephen Thomas Contact instructor or department for details.	Seats (Total: 10)
0109	Jie Chen Contact instructor or department for details.	Seats (Total: 10)

HLSA898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0102	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 10)
0103	Neil Sehgal Contact instructor or department for details.	Seats (Total: 10)
0104	Andrew Fenelon Contact instructor or department for details.	Seats (Total: 10)
0105	Michel Boudreaux Contact instructor or department for details.	Seats (Total: 10)
0106	Dylan Roby Contact instructor or department for details.	Seats (Total: 10)
0107	Luisa Franzini Contact instructor or department for details.	Seats (Total: 10)

0108	Stephen Thomas Contact instructor or department for details.	Seats (Total: 10)
0109	Jie Chen Contact instructor or department for details.	Seats (Total: 10)

HLSA899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0102	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 10)
0103	Neil Sehgal Contact instructor or department for details.	Seats (Total: 10)
0104	Andrew Fenelon Contact instructor or department for details.	Seats (Total: 10)
0105	Michel Boudreaux Contact instructor or department for details.	Seats (Total: 10)
0106	Dylan Roby Contact instructor or department for details.	Seats (Total: 10)
0107	Luisa Franzini Contact instructor or department for details.	Seats (Total: 10)
0108	Stephen Thomas Contact instructor or department for details.	Seats (Total: 10)
0109	Jie Chen Contact instructor or department for details.	Seats (Total: 10)

HLTH Health Winter 2017

HLTH106 **Drug Use and Abuse**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

An interdisciplinary analysis of contemporary drug issues and problems. The course will examine physiological, psychological, social, philosophical, historical, legal and health aspects of drug use and abuse. Special attention will be focused on those general motivations for drug use that attend life on the college campus.

WB11	Tracy Zeeger	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

HLTH140 **Personal and Community Health**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

WB11	Sylvette La Touche-Howard	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

HLTH377 **Human Sexuality**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

WB11	Robin Sawyer	Seats (Total: 200)
	Class time/details on ELMs	ONLINE

HLTH386 **Experiential Learning**

Credits: 3-6 Grading Method: Regular, Pass-Fail

Prerequisite: Permission of SPHL-Behavioral & Community Health department. Restriction: Junior standing or higher.

0101	Bradley Boekeloo	Seats (Total: 5)
	Contact instructor or department for details.	

HLTH476 **Death Education**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Examination of the genesis and development of present day death attitudes and behavior by use of a multidisciplinary life cycle approach.

WB11	Jennifer Hodgson	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

HLTH489I **Field Laboratory Projects and Workshop; East Meets West: Contrasting Public Health Priorities, Pragmatics and Polemics in the U.S. and India**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

A course designed to meet the needs of persons in the field with respect to workshop and research projects in special areas of knowledge not covered by regularly structured courses.

Contact department for information to register for this course.

HLTH498T **Special Topics in Health; Medical Terminology**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

WB11	Katherine Sharp	Seats (Total: 125)
	Class time/details on ELMs	ONLINE

HLTH688 **Special Problems in Health Education**

Credits: 1-6

Grading Method: Regular, Audit

I120	Bradley Boekeloo	Seats (Total: 5)
	Contact instructor or department for details.	
I123	Mary Garza	Seats (Total: 5)
	Contact instructor or department for details.	
I128	Barbara Curbow	Seats (Total: 10)
	Contact instructor or department for details.	
I129	Donna Howard	Seats (Total: 5)
	Contact instructor or department for details.	

I130	Craig Fryer Contact instructor or department for details.	Seats (Total: 5)
I131	James Butler Contact instructor or department for details.	Seats (Total: 5)
I132	Min Wang Contact instructor or department for details.	Seats (Total: 5)
I134	Amelia Arria Contact instructor or department for details.	Seats (Total: 5)
I180	Kerry Green Contact instructor or department for details.	Seats (Total: 5)

HLTH898 Pre-Candidacy Research

Credits: 1-8 Grading Method: Regular, Sat-Fail

I121	Min Wang Contact instructor or department for details.	Seats (Total: 5)
I123	James Butler Contact instructor or department for details.	Seats (Total: 5)
I126	Dina Borzekowski Contact instructor or department for details.	Seats (Total: 5)
I127	Faika Zanjani Contact instructor or department for details.	Seats (Total: 5)
I128	Barbara Curbow Contact instructor or department for details.	Seats (Total: 5)
I129	Donna Howard Contact instructor or department for details.	Seats (Total: 5)
I132	Craig Fryer Contact instructor or department for details.	Seats (Total: 5)
I134	Amelia Arria Contact instructor or department for details.	Seats (Total: 5)

I139	Juliette Christie Contact instructor or department for details.	Seats (Total: 5)
I192	Alice Horowitz Contact instructor or department for details.	Seats (Total: 5)

HLTH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0103	Neil Sehgal Contact instructor or department for details.	Seats (Total: 10)
I128	Kerry Green Contact instructor or department for details.	Seats (Total: 5)

INAG Institute of Applied Agriculture Winter 2017

INAG110 **Oral Communication**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: FSOC

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285.

A study of how perception, self-concept, verbal and nonverbal communications affect the communication process as it emerges in the work place. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

0101	Edward Priola MTuWThF 1:00pm - 4:30pm	Seats (Total: 12) JUL 1105
0102	Kristen Willett MTuWThF 9:00am - 12:30pm	Seats (Total: 12) JUL 1105

INST Information Studies Winter 2017

INST633 **Analyzing Social Networks and Social Media**

Credits: 3 Grading Method: Regular

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC708L or INST633. Formerly: LBSC708L.

Introduces students to the science and social science of network analysis. Through real world examples, including analysis of their own social networks, students will develop skills for describing and understanding the patterns and usage of services like Facebook, Twitter, YouTube, and others. Students will read classic and cutting edge articles and books about these topics and discuss their applicability to this new social media. The class will culminate with a capstone project in which students will apply the analysis methods they have learned to understanding a particular question about social networks and social media.

01Z1	Jennifer Golbeck	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

INST670 **Introduction to Javascript Programming**

Credits: 1 Grading Method: Regular, Audit

Credit only granted for: INST728N and INST670. Formerly: INST728N.

Introduction to the fundamentals of Javascript programming. Basic components of all programming languages, including variables, types, data structures, and control flow, with a focus on leveraging Javascript libraries for more advanced functionality. No prior experience needed.

01Z1	Jennifer Golbeck	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

INST671 **Introduction to Web Programming**

Credits: 1 Grading Method: Regular, Audit

Credit only granted for: INST728W and INST671. Formerly: INST728W.

Introduction to the fundamentals of designing and programming web sites. HTML programming extended by work with Cascading Style Sheets. Programming skills are complemented with fundamentals of design and usability. No prior programming experience needed.

01Z1	Jennifer Golbeck	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

INST709 **Independent Study**

Credits: 1-3 Grading Method: Regular, Audit

Intensive individual study, reading, or research in an area of specialized interest under faculty supervision. Registration limited to the advanced student with the approval of the advisor and of the faculty member involved.

0113	Jennifer Golbeck	Seats (Total: 2)
	Contact instructor or department for details.	

INST729I **International Opportunities in Information Studies**

Credits: 3 Grading Method: Regular, Audit

Short term, experiential course offered in conjuction with the University's Study Abroad Office, to volunteer, complete a project, or conduct research in a library or information organization outside the U.S. Focus and location varies.

Contact department for information to register for this course.

INST899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0103	Brian Butler	Seats (Total: 2)
	Contact instructor or department for details.	

JOUR Journalism Winter 2017

JOUR175 **Media Literacy**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: IE, D General Education: DSSP, DVUP

Additional information: Not applicable toward journalism major.

An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

0101	Susan Moeller	Seats (Total: 18)
	MTuWTh 9:00am - 12:30pm	KNI 2105

JOUR458P **Special Topics in Journalism; Photography in Oaxaca**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Issues of special concerns and current interest.

Contact department for information to register for this course.

KNES Kinesiology Winter 2017

KNES157N **Physical Education Activities: Coed; Weight Training (Beginning)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0101	Andrew Ginsberg	Seats (Total: 15)	
	MTuWThF 10:00am - 12:00pm	SPH 0103	Lab

KNES157O **Physical Education Activities: Coed; Weight Training (Intermediate)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0101	Andrew Ginsberg	Seats (Total: 15)	
	MTuWThF 10:00am - 12:00pm	SPH 0103	Lab

KNES161C **Physical Education Activities: Coed; Indoor Group Cycling (Intermediate)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0101	Andrea Romeo	Seats (Total: 22)	
	MTuThF 10:00am - 12:15pm	COL 3109	Lab

KNES161T **Physical Education Activities: Coed; Yoga (Beginning)**

Credits: 1 Grading Method: Regular, Pass-Fail

Attendance is required on the first day of class. Students must pay a $40 instructional materials fee.

0101	Anne Contee	Seats (Total: 35)	
	MTuWF 9:00am - 11:45am	SPH 0107	Lab

KNES201 **Kinesiological Principles of Physical Activity**

Credits: 1

Grading Method: Regular, Pass-Fail, Audit

Corequisite: Any physical activity course, e.g., KNES 100-190; or permission of SPHL-Kinesiology department. Restriction: Must be in a major in SPHL-School of Public Health. Credit only granted for: KNES200 or KNES201.

An introduction to Kinesiology, the study of human movement, through the experience of learning a specific motor skill or being engaged in physical activity. Emphasis on the theories and knowledge underlying the learning and performance of all motor and sport skills.

WB11	Andrea Romeo	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

KNES287 **Sport and American Society**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

CORE: SB, D

General Education: DSHS, DVUP

Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

WB11	David Andrews	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

KNES289 **Topical Investigations**

(Perm req)

Credits: 1-3

Grading Method: Regular, Pass-Fail

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES293 **History of Sport in America**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

CORE: SH

General Education: DSHS

The growth and development of sport in America. The transformation of sport within the perspective of American history, including class sport, professionalization, amateurism, and international involvement.

All sessions are taught on-line.

WB11	Samuel Clevenger	Seats (Total: 90)
	Class time/details on ELMs	ONLINE

KNES342 **Sport, Commerce, and Culture in the Global Marketplace**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Recommended: KNES287. Credit only granted for: KNES389A or KNES342. Formerly: KNES389A.

The Sport, Commerce, and Culture in the Global Marketplace study abroad program is designed for students who are interested in the relationship between sport, culture, and the contemporary global economy.

Contact department for information to register for this course.

KNES350 **The Psychology of Sports**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSHS

An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

WB11	J Carson Smith	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

KNES370 **Motor Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Kinesiology department.

Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

Non-KNES majors should contact Dr. Marvin Scott (mwscott@umd.edu) to request permission.

WB11	Yue Du	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

KNES385 **Motor Control and Learning**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Restriction: Must be in a major within SPHL-Kinesiology department.

Physiological and cognitive bases for motor control and their applications to the acquisition of movement skills and understanding of movement disorders. Topics include: neurophysiology, motor control theory, sensory/perceptual processes, perception-action coupling, information processing, memory, attention, individual differences, motivation, practice organization and role of feedback.

Non-KNES majors should contact Dr. Marvin Scott (mwscott@umd.edu) to request permission.

WB11	Tim Kiemel	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

KNES389 **Topical Investigations**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES389K **Topical Investigations; Kinesiology Internship**

(Perm req)

Credits: 3 Grading Method: Regular

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES462 **Neural Basis of Human Movement**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI202, KNES385, and BSCI201; or permission of SPHL-Kinesiology department.

An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

WB11	Rodolphe Gentili	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

KNES485 **Sport and Globalization**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DVUP

Prerequisite: KNES287. Restriction: Junior standing or higher. Credit only granted for: KNES485 and KNES498T.

Examination of sport culture from a global perspective; focuses on theorizing the similarities and differences between various national sporting cultures.

All sessions are on-line.

WB11	Shaun Edmonds	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

KNES498 **Special Topics in Kinesiology**

(Perm req)

Credits: 3 | Grading Method: Regular, Pass-Fail

Topics of special interest in areas not covered by regularly scheduled courses.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES498E **Special Topics in Kinesiology; Coaching for Performance**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

Prerequisite: KNES350. While focusing on individual sports of interest, students will learn pedagogically appropriate practices used to engage athletes physically, emotionally and cognitively, enhance the acquisition of skills, and develop technical and tactical knowledge that contribute to peak performance. Appropriate practice planning and game analysis will also be discussed.

WB11	Dena Deglau	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

KNES498Q **Special Topics in Kinesiology; Quantitative Methods in Cognitive Motor Behavior**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Topics of special interest in areas not covered by regularly scheduled courses.

0101	Instructor: TBA	Seats (Total: 10)
	MTuWThF 3:00pm - 6:00pm	SPH 0223

KNES689 **Special Problems in Kinesiology**

(Perm req)

Credits: 1-6 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

KNES689R **Special Problems in Kinesiology; Quantitative Methods in Cognitive Motor Behavior**

Credits: 3 Grading Method: Regular, Audit

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Students will learn Matlab programming and data analysis skills within the context of cognitive motor behavior research data.

0101	Hyuk Oh	Seats (Total: 15)
	MTuWThF 3:00pm - 6:00pm	SPH 0223

KNES799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

LARC Landscape Architecture Winter 2017

LARC121 **Digital Design Futures**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit General Education: DSSP

Students are provided with the opportunity to 1) explore basic design principles and practice, 2) explore and apply computer concepts and principles, 3) learn and apply basic computer tools used in landscape architecture and allied disciplines, and 4) demonstrate competency in design vocabulary and computer applications through demonstrated deliverables used in the built environment design fields.

WB11	Christopher Ellis	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

LARC160 **Introduction to Landscape Architecture**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU, DSSP

History, theory, philosophy and current practice of the profession of landscape architecture. Explores the interactive relationship between humans and their environment by examining people's perceptions of and changing attitude towards the landscape, as well as, an examination of how these are related to ecological and cultural influences.

WB11	Kelly Cook	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

LARC489B **Special Topics in Landscape Architecture; Climate Change Design, Planning & Communication**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.

WB11	Victoria Chanse	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

LARC489C **Special Topics in Landscape Architecture; Design for Climate and Culture in Chile**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.

Contact department for information to register for this course.

LARC489N **Special Topics in Landscape Architecture; Culture and Earth: Transformation and Adaptation-New Zealand**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Credit according to time scheduled and organization of course. A lecture and/or studio course organized as an in-depth study of a selected specialization of landscape architecture not covered by existing courses.

Contact department for information to register for this course.

LARC499 **Independent Studies in Landscape Architecture; Independent Studies in Landscape Architecture**

Credits: 1-4

Grading Method: Regular, Pass-Fail, Audit

Independent studies in landscape architecture including field, studio o library research under the direction of a faculty member.

Contact department for information to register for this course.

LARC689B **Special Topics in Landscape Architecture; Climate Change Design, Planning & Communication**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

WB11	Victoria Chanse	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

LARC699 **Independent Studies in Landscape and Architecture**

Credits: 1-3

Grading Method: Regular, Pass-Fail, Audit

Individual Instruction course.

Contact department for information to register for this course.

LASC Certificate in Latin American Studies — Winter 2017

LASC269T **Special Topics in Study Abroad II; Technology and Society: Ecuador in Context**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

LASC369B **Special Topics in Study Abroad III; Geography of the Southern Caribbean**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

LASC369C **Special Topics in Study Abroad III; Chile: Chilean Literature, Democracy and Social Change**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

LASC369K **Special Topics in Study Abroad III; From the Pampas to the Andes: Political Culture and Local Politics in Argentina**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

LASC369R **Special Topics in Study Abroad III; Global Service in the Domican Republic**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

LASC448P **Special Topics in Latin American Studies; Doing Business in Brazil: A Look at a Growing Economy**

Credits: 3 Grading Method: Regular

Intensive study of a selected topic related to Latin American Studies.

Contact department for information to register for this course.

LASC448R **Special Topics in Latin American Studies; Andean Spaces - Traversing the Colonial City and the Natural World**

Credits: 3 Grading Method: Regular

Intensive study of a selected topic related to Latin American Studies.

Contact department for information to register for this course.

LASC448T **Special Topics in Latin American Studies; Practicum in Translation**

Credits: 3 Grading Method: Regular

Intensive study of a selected topic related to Latin American Studies.

Also offered as SPAN416. Credit granted for SPAN416 or LASC448T.

0101	Lisa Carney	Seats (Total: 25)
	MTuWTh 1:00pm - 4:30pm	JMZ 2117

LASC448V **Special Topics in Latin American Studies; El Salvador's Children: Risk, Poverty and Education**

Credits: 3 Grading Method: Regular

Intensive study of a selected topic related to Latin American Studies.

Contact department for information to register for this course.

LGBT Lesbian Gay Bisexual Transgender Studies Winter 2017

LGBT327 **Lesbian, Gay, Bisexual, and Transgender Film and Video**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit , D General Education: DSHU, DVUP

Restriction: Junior standing or higher.

Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people.

Additional Note: Also offered as ENGL359F. Credit granted for LGBT327 or ENGL359F.

WB11	James Goodwin	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

MEES Marine-Estuarine-Environmental Sciences Winter 2017

MEES708N **Advanced Topics in Marine-Estuarine-Environmental Science; R Programming**

Credits: 2 Grading Method: Regular, Audit

Lectures, experimental courses and other specialized graduate training in various relevant disciplines.

Taught at the Chesapeake Biological Laboratory and on the Interactive Video Network. Through hands-on experience with examples, students will learn the basics of R language. After taking this course, students will independent R programmers comfortable with funding, developing, and using R tools in their own research.

0101	Viacheslav Lyubchich MTuWThF 9:00am - 12:00pm	Seats (Total: 30) Location: TBA

MIEH Maryland Institute for Applied Environmental Health — Winter 2017

MIEH300 **A Public Health Perspective: Introduction to Environmental Health**

Credits: 3 Grading Method: Regular

Prerequisite: CHEM131 and CHEM132. Restriction: Junior standing or higher. And must be in Public Health Science program; or permission of SPHL-School of Public Health. Credit only granted for: SPHL498N or MIEH300. Formerly: SPHL498N.

Environmental health is that branch of public health that deals with the human health effects of exposure to chemical, physical, and biological agents in the community, workplace, and home. Activities within Environmental Health Sciences are associated with recognizing, assessing, understanding, and mitigating the impacts of chemical, physical, and biological agents as well as understanding how human behavior and action impacts the environment. The Environmental health field is a broad, multi-disciplinary field. Environmental health scientists face complex problems requiring multi-disciplinary approaches. This course focuses on the central concepts, principles, issues, and applications of the essential scientific components and strategies of control of major environmental health problems.

WB11	Sacoby Wilson Class time/details on ELMs	Seats (Total: 30) ONLINE

MIEH620 **Global Health Communication and Promotion**

Credits: 3 Grading Method: Regular, Audit

Recommended: MIEH605. Credit only granted for: SPHL620 or SPHL698C. Formerly: SPHL698C.

Explores the critical components in developing, implementing and evaluating health/population promotion and communication interventions. Emphasis is on theory application to a variety of cultural settings. Formative and quantitative research methods will be utilized.

0101	Muhiuddin Haider MTuWTh 4:30pm - 8:00pm	Seats (Total: 10) SPH 0301
GH01	Muhiuddin Haider MTuWTh 4:30pm - 8:00pm	Seats (Total: 10) SPH 0301

MIEH785 **Internship in Public Health**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.

Internship and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the internship will depend upon the student's background and career goals.

Contact department for information to register for this course.

MIEH786 **Captsone Project in Public Health**

(Perm req)

Credits: 3

Grading Method: Regular, Audit

Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

MIEH788 **Critical Readings in Environmental Health**

(Perm req)

Credits: 1-3

Grading Method: Regular, Audit

In-depth examination and critical discussion of the current literature relevant to environmental health.

Contact department for information to register for this course.

MIEH789 **Independent Study**

(Perm req)

Credits: 1-6

Grading Method: Regular, Audit

Individual reading and/or research under a specific faculty member in the department.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**

Credits: 1-6

Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

MIEH898 **Pre-Candidacy Research**

Credits: 1-8

Grading Method: Regular

0101	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)
0107	Lesliam Quiros Alcala Contact instructor or department for details.	Seats (Total: 5)
0108	Devon Payne-Sturges Contact instructor or department for details.	Seats (Total: 5)

MIEH899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0101	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett Contact instructor or department for details.	Seats (Total: 5)

0106	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)
0107	Lesliam Quiros Alcala Contact instructor or department for details.	Seats (Total: 5)
0108	Devon Payne-Sturges Contact instructor or department for details.	Seats (Total: 5)

MUSC School of Music Winter 2017

MUSC388 **Music Internship**

(Perm req)

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Pre-professional field work in music.

Contact department for information to register for this course.

MUSC899 **Doctoral Dissertation Research**

Credits: 1-8 Grading Method: Regular

0112	James Ross Contact instructor or department for details.	Seats (Total: 5)
0159	Rita Sloan Contact instructor or department for details.	Seats (Total: 5)

NACS Neuroscience & Cognitive Science Winter 2017

NACS898 **Pre-Candidacy Research**

Credits: 1-8 Grading Method: Regular, Sat-Fail

0104	Nathan Fox Contact instructor or department for details.	Seats (Total: 1)
0105	Elizabeth Redcay Contact instructor or department for details.	Seats (Total: 1)
0106	Elizabeth Quinlan Contact instructor or department for details.	Seats (Total: 1)

0107	Robert Dooling Contact instructor or department for details.	Seats (Total: 1)
0108	Patrick Kanold Contact instructor or department for details.	Seats (Total: 1)
0109	Daniel Butts Contact instructor or department for details.	Seats (Total: 1)
0110	Jens Herberholz Contact instructor or department for details.	Seats (Total: 1)
0111	Shihab Shamma Contact instructor or department for details.	Seats (Total: 1)
0112	Matthew Roesch Contact instructor or department for details.	Seats (Total: 2)
0113	Yi Ting Huang Contact instructor or department for details.	Seats (Total: 1)
0114	Erica Glasper Andrews Contact instructor or department for details.	Seats (Total: 1)
0115	Jared Novick Contact instructor or department for details.	Seats (Total: 1)
0116	Ross Miller Contact instructor or department for details.	Seats (Total: 1)
0117	Ricardo Araneda Contact instructor or department for details.	Seats (Total: 1)
0123	Rodolphe Gentili Contact instructor or department for details.	Seats (Total: 1)
0125	J Carson Smith Contact instructor or department for details.	Seats (Total: 1)
0127	Gregory Ball Contact instructor or department for details.	Seats (Total: 1)

NACS899 Doctoral Dissertation Research

Credits: 1-6 | Grading Method: Regular, Sat-Fail

Indivdual instruction course: contact department or instructor to obtai section number

0118	Jonathan Simon	Seats (Total: 1)
	Contact instructor or department for details.	

PHIL Philosophy Winter 2017

PHIL140 Contemporary Moral Issues

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO | General Education: DSHU

The uses of philosophical analysis in thinking clearly about such widely debated moral issues as abortion, euthanasia, homosexuality, pornography, reverse discrimination, the death penalty, business ethics, sexual equality, and economic justice.

This course will meet entirely online. Students should contact the instructor at alexeyaliyev@gmail.com

Click here for more course information.

WB11	Alexey Aliev	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

PHIL170 Introduction to Logic

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: MS | General Education: FSAR

Development of analytical reasoning skills through study of formal logics, reasoning systems, and fallacious inference patterns.

Section will meet entirely online. Students should contact the instructor at aleks.knoks@gmail.com

Click here for more course information.

WB11	Aleks Knoks	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

PHIL309A Philosophical Problems; Philosophy and Neuroscience

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

A focused study of a contemporary philosophical problem or issue. Topics will vary, but the course will encourage students to to generate critical analyses or proposed resolutions of issues in the contemporary philosophical literature.

This course will examine the relationship between brain science and traditional philosophical questions about moral judgment, free will, art and aesthetics, and linguistic meaning. For questions, email the instructor at mccourt.139@gmail.com.

WB11	Michael McCourt	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

PHSC Public Health Science Winter 2017

PHSC401 **History of Public Health**

Credits: 3 Grading Method: Regular

Restriction: Must be in Public Health Science program; and must have earned a minimum of 45 credits. Credit only granted for: PHSC401 or SPHL401. Formerly: SPHL401.

Emphasis is on the history of public health in the Western world from antiquity to the present. Also examines the influence of public health developments as they relate to the Western world as well as throughout diverse cultures and societies across the globe. Analysis focuses on the interaction among Western and non-Western cultures with respect to health issues, including science, policies, prevention and treatment.

WB11	Marian Jones	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

PHYS Physics Winter 2017

PHYS499E **Special Problems in Physics; Mathematical Elements of Quantum Physics**

Credits: 1 Grading Method: Regular, Pass-Fail, Audit

Research or special study. Credit according to work done.

Also offered as CHPH719E. Credit granted for CHPH719E or PHYS499E.

0101	Charles Clark	Seats (Total: 25)
	TuTh 10:00am - 12:30pm	CSS 3100A

PSYC Psychology Winter 2017

PSYC200 **Statistical Methods in Psychology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: FSAR

Prerequisite: PSYC100. And 1 course with a minimum grade of C- from (STAT100, MATH107, MATH111, MATH120, MATH130, MATH140); or must have completed MATH220 with a minimum grade of C-. Credit only granted for: BIOM301, BMGT230, CCJS200, ECON230, ECON321, EDMS451, GEOG306, GEOL351, GVPT422, PSYC200 or SOCY201.

A basic introduction to quantitative methods used in psychological research.

WB11	Tracy Tomlinson Class time/details on ELMs	Seats (Total: 60) ONLINE

PSYC221 **Social Psychology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS, DSSP

Prerequisite: PSYC100.

The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, person perception, interpersonal attraction, and group behavior.

WB11	Charles Stangor Class time/details on ELMs	Seats (Total: 50) ONLINE

PSYC332 **Psychology of Human Sexuality**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices.

HY11	Kevin McGann TuTh 10:00am - 1:45pm MW 10:00am - 1:45pm	Seats (Total: 20) BPS 1238 ONLINE

PSYC334 **Psychology of Interpersonal Relationships**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC100.

Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce).

WB11	Dylan Selterman	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

PSYC432 **Counseling Psychology: Theories, Research, and Practice**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: PSYC200.

Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology.

0101	Monica Kearney	Seats (Total: 20)
	MTuWTh 12:30pm - 4:15pm	BPS 1232

PSYC438I **Special Topics in Study Abroad IV; India: Risk and Resilience in the Face of Poverty**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

PSYC478 **Independent Study in Psychology**

(Perm req)

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

PSYC479 **Special Research Problems in Psychology**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Contact department for information to register for this course.

PSYC624 **Adult Psychopathology**

Credits: 3 Grading Method: Regular

Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Credit only granted for: PSYC624 or PSYC719. Formerly: PSYC719.

Examines the scientific and clinical literature relevant to normal and pathological behavior in adults and associated nosological systems for categorizing psychopathology. Issues relevant to etiology, differential diagnosis, and treatment planning are also considered.

PCC1	Andrea Chisolm	Seats (Total: 40)
	Meets November 28, 2016 - February 17, 2017	
	Tu 6:00pm - 9:45pm	BPS 1140B
	Restricted to students in the Clinical Psychological Science Program.	

PSYC625 Clinical Assessment: Psychometric Principles, Testing and Behavior

Credits: 3 Grading Method: Regular, Audit

Restriction: Permission of BSOS-Psychology department. Credit only granted for: PSYC625 or PSYC721. Formerly: PSYC721.

An examination of fundamental principles of psychological assessment; application of these principles to the development of evidence-based assessments of clinical conditions and associated behaviors; and application of evidence-based assessments to the evaluation and understanding of clinical conditions evaluated and treated in therapeutic settings.

PCC1	Julia Felton	Seats (Total: 40)
	Meets November 28, 2016 - February 17, 2017	
	Th 6:00pm - 9:45pm	BPS 1140B
	Restricted to students in the Clinical Psychological Science Program	

PSYC638 Externship in Professional Psychology

Credits: 1-3 Grading Method: Sat-Fail

Approved appointment as an extern in a mental health setting.

0101	Karen O'Brien	Seats (Total: 10)
	Contact instructor or department for details.	

PSYC653 The Business of Evaluation: Research Methods at Work

Credits: 3

Grading Method: Regular, Audit

Prerequisite: PSYC652. Additional information: Course builds from work completed in PSYC 652. Students are also expected to commit to a two-term long project. Students will work with a non-profit organization or local business to ask and answer a business question for the organization. Students will conclude this project in PSYC 654.

Students will learn about the strengths and weaknesses of commonly employed research methods in business settings, including: longitudinal research, survey and interview (including focus groups) design, and sampling and weighting. Students will design and launch a research study that will answer a pressing business question.

PYP1	Juliet Aiken	Seats (Total: 40)
	Meets November 28, 2016 - February 17, 2017	
	Contact instructor or department for details. Class time/details on ELMs	ONLINE
	Restricted to students in the MPS Industrial/Organizational Psychology program. Class meets in person on odd numbered weeks.	

PSYC664 **Understanding Trauma and Recovery II**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: PSYC662. Restriction: Must be in the Graduate Certificate of Professional Studies in Treating Survivors of Violence, Torture, and Trauma: Theoretical Foundations and Mental Health; or permission of instructor.

This is the second in a series of two courses designed to provide students with an understanding of psychological trauma and treatment of trauma survivors. Current approaches to understanding and treating trauma survivors from psychological, developmental, neurobiological, cognitive, and ecological perspectives will be presented.

PLV1	Beth Richie	Seats (Total: 20)
	Meets November 28, 2016 - February 17, 2017	
	Class time/details on ELMs	ONLINE
	Restricted to students in the VTT Program.	

PSYC732 **Selection and Classification Issues in Organizations**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: PSYC603; and (PSYC602; or students who have taken courses with comparable content may contact the department). Or permission of instructor.

Consideration of societal, organizational and individual demands for appropriate use of individual differences in (primarily) initial placement of employees. Recruitment, and selection issues, the role of governmental regulations, and the role of individual factors in individual behavior are considered. Extensive coverage given to fundamental psycho-metric problems and the development of individual and organizational criteria of effectiveness.

PYP1	Paul Hanges	Seats (Total: 40)
	Meets November 28, 2016 - February 17, 2017	
	Contact instructor or department for details. Class time/details on ELMs	ONLINE
	Restricted to students in the MPS Industrial/Organizational Psychology program. Class meets in person on odd numbered weeks.	

PSYC798W **Graduate Seminar; R Programming for the Behavioral Sciences**

Credits: 2 Grading Method: Regular, Audit

Students are provided with a thorough introduction to the R statistical programming language. No prior programming experience is needed; the approach is to teach fundamental programming skills in R, to enable getting the most out of the software. Every class incorporates hands-on practice, a nd students are highly encouraged to bring a laptop to class. Homework assignments and a final project will all be based on a data set of the student's choosing.

0101	Scott Jackson	Seats (Total: 40)
	Meets January 9, 2017 - January 23, 2017	
	MTuWThF 9:00am - 12:00pm	BPS 1236

PSYC799 **Master's Thesis Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

Contact department for information to register for this course.

PUAF Public Policy Winter 2017

PUAF359E **Contemporary Issues in Political Leadership and Participation; Ethiopia: Policy and Politics of Economic Development in Africa**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in political leadership and participation.

Contact department for information to register for this course.

PUAF359T **Contemporary Issues in Political Leadership and Participation; Morocco: Political and Social Development**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics in political leadership and participation.

Contact department for information to register for this course.

PUAF388J **Special Topics in Public Policy; Engaging and Exploring the Complexities of Global Philanthropy and Nonprofit Leadership Irael and Jordan**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics focusing on an interdisciplinary topic related to Public Policy.

Contact department for information to register for this course.

PUAF388K **Special Topics in Public Policy; India: Education and Project Engagement with NGOs and Social Enterprises**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Advanced special topics focusing on an interdisciplinary topic related to Public Policy.

Contact department for information to register for this course.

PUAF688I **Topics in Public Policy; Engaging and Exploring the Complexities of Global Philanthropy and Nonprofit Leadership**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

Contact department for information to register for this course.

PUAF688J **Topics in Public Policy; Engaging and Exploring the Complexities of Global Philanthropy and Nonprofit Leadership Israel and Jordan**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

Contact department for information to register for this course.

PUAF688N **Topics in Public Policy; Development Diplomacy and Leadership**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

0101	Pradeep Kapur	Seats (Total: 20)
	MTuWThF 11:00am - 4:00pm	VMH 1101
	Meets 11:00am-4:00pm on January 3, 4, 6, 9, 11, 13, 17, 18, 20, 23. PUAF major or permission of instructor.	

PUAF688W **Topics in Public Policy; Ethiopia: Policy and Politics of Economic Development in Africa**

Credits: 3 Grading Method: Regular, Audit

Special topics in Public Policy.

Contact department for information to register for this course.

PUAF689I **Public Policy Topics; Social-Ecological Systems, Environmental Policy, and Sustainable Development in Indonesia**

Credits: 3 Grading Method: Regular, Audit

Special Topics in Public Policy.

Contact department for information to register for this course.

PUAF699G **Selected Topics Public Policy; Leadership in Groups and Organizations**

Credits: 3 Grading Method: Regular, Audit

Special topics that arise in public policy.

Contact department for information to register for this course.

PUAF752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

0101	Charles Field	Seats (Total: 20)
	MW 9:00am - 5:00pm	VMH 1203
	Meets from 9:00am-5:00 pm on January 4, 7, 11, 14, and 21.	

PUAF790 **Project Course**

Credits: 3 Grading Method: Regular, Audit

Restriction: Must be in a major in PUAF-School of Public Policy; or permission of PUAF-School of Public Policy.

Students work at a sponsoring government agency or private firm researching problem of interest to sponsor and relevant to concentration. Emphasis on problem definition, organizing information, and both oral and written presentation of results.

Contact department for information to register for this course.

PUAF798A **Readings in Public Policy**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PUAF798I **Readings in Public Policy; India: Education and Project Engagement with NGOs and Social Enterprises**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PUAF798T **Readings in Public Policy; Morocco: Political and Social Development**

Credits: 3 Grading Method: Regular, Audit

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PUAF898 **Pre-Candidacy Research**

Credits: 1-6 Grading Method: Regular, Sat-Fail

0131	Nathan Hultman	Seats (Total: 5)
	Contact instructor or department for details.	

PUAF899 **Doctoral Dissertation Research**

Credits: 1-6 Grading Method: Regular

0131	Nathan Hultman	Seats (Total: 5)
	Contact instructor or department for details.	

RDEV Real Estate Development Winter 2017

RDEV689L **Current Topics in Real Estate Development; Risk Management for Real Estate Developers**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Explores a focused aspect in any of the five major phases of real estat development: planning, finance, law, design, construction, or management.

0101	Robert Wertheimer	Seats (Total: 15)
	MWF 6:30pm - 9:30pm	ARC 1103
	SaSu 12:00pm - 5:00pm	ARC 1103

SLLC School of Languages, Literatures and Cultures Winter 2017

SLLC368D **Special Topics in Film Studies I; Action, Adventure, and Spectacle Film in World cinema**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Content varies. Exploration of topics in film studies beyond national traditions, for example through the lens of theory, genre, auteurship, aesthetic movements in cinema, and/or comparative perspectives.

In this online course, we will screen and study critically some of the most important examples of action, adventure, and spectacle films from the international and transnational perspectives. Films to be screened may include Seven Samurai, The Wild Bunch, Ringo and His Golden Pistol, Once Upon a Time in China, Star Wars, Point Break, Saving Private Ryan, Deep Impact, Spy Kids, Jurassic Park, Breakdown, Enter the Dragon, Hard-Boiled, Run Lola Run, La Femme Nikita, Last Action Hero, Salt, Lara Croft: Tomb Raider, The Peacemaker, The Matrix, District 13, and Crouching Tiger, Hidden Dragon. The course will pay attention to female film makers as well as action films featuring female leads. Through these screenings in conjunction with critical writings by established and young scholars in film studies and cultural studies, we hope to explore the historical, esthetic, generic, institutional, and political significance of these films. We also hope to touch upon questions of national identity, gender, class, heroism, and ethnicity as well as ways of the spectators engagement with the action body and the action narrative.

WB11	Jason Kuo	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

SLLC368E **Special Topics in Film Studies I; Jim Henson: Art, Media, Muppets**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Content varies. Exploration of topics in film studies beyond national traditions, for example through the lens of theory, genre, auteurship, aesthetic movements in cinema, and/or comparative perspectives.

This course follows the professional and artistic life of Jim Henson to analyze major changes that have occurred in international media from the 1950s through the 1990s.

WB11	Brian Real	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

SOCY Sociology Winter 2017

SOCY100 **Introduction to Sociology**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit CORE: SB General Education: DSHS

The fundamental concepts and principles of sociology. Includes consideration of culture, patterns of social interaction, norms, values, social institutions, stratification, and social change.

WB11	Alex Parkhouse	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

SOCY105 **Introduction to Contemporary Social Problems**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: SB | General Education: DSHS

An examination of contemporary social problems through sociological perspectives; ways in which social problems are part of the organization of society; a detailed study of selected social problems including social conflict and social inequality.

WB11	Brian Connor	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

SOCY230 **Sociological Social Psychology**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Theoretical perspectives and their applications. Socialization through the life course, the self-concept, attitudes, emotion, attribution, interpersonal relations, group processes, deviance, and social change.

WB11	Jenelle Clark	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

SOCY441 **Social Stratification and Inequality**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: 6 credits in SOCY courses; or permission of BSOS-Sociology department. Restriction: Junior standing or higher.

The sociological study of social class, status, and power. Topics include theories of stratification, correlates of social position, functions and dysfunctions of social inequality, status inconsistency, and social mobility.

WB11	John Pease	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

SOCY699I **Special Social Problems; Statistical Techniques**

Credits: 3 | Grading Method: Regular, Audit

0101	Alan Neustadtl	Seats (Total: 20)
	MTuTh 9:00am - 1:15pm	ASY 2115

SPAN Spanish Winter 2017

SPAN103 **Intensive Elementary Spanish**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish. Credit only granted for: SPAN102 or SPAN103.

Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Carla Onate MTuWThF 1:00pm - 4:30pm	Seats (Total: 25) JMZ 2123

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**

Credits: 2-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN169Y **Special Topics in Study Abroad I; Elementary Spanish II**

Credits: 2-6 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN203 **Intensive Intermediate Spanish**

Credits: 4 Grading Method: Regular, Pass-Fail, Audit CORE: HO

Prerequisite: SPAN103; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Must not be a native/fluent speaker of Spanish.

Covers speaking, reading, writing, listening, and culture of Spanish-speaking world.

0101	Jose Magro MTuWThF 1:00pm - 4:30pm	Seats (Total: 25) JMZ 0118
0102	Douglas Glynn MTuWThF 1:00pm - 4:30pm	Seats (Total: 25) JMZ 2207

SPAN204 **Spanish Grammar Review**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO

Prerequisite: SPAN203; or must have appropriate Foreign Language Placement Test (FLPT) score. Restriction: Not open to fluent/native speakers of Spanish.

An in-depth study and analysis of selected grammatical topics in a contextualized framework.

Contact department for information to register for this course.

SPAN207 **Reading and Writing in Spanish**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | General Education: DSHU

Prerequisite: Minimum grade of B+ in SPAN203; or must have completed or be concurrently enrolled in SPAN204; or must have appropriate Foreign Language Placement Test (FLPT) score.

Selected readings with emphasis on reading comprehension and the development of reading strategies. Work in composition writing and a review of selected grammatical topics. Complements material of SPAN204.

0101	Kayla Watson	Seats (Total: 25)
	MTuWTh 1:00pm - 4:30pm	JMZ 2120

SPAN225 **Cultures of the Contact Zones - Seville, Al-Andalus and the Atlantic World**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HO, D | General Education: DSHU

Credit only granted for: HONR248E or SPAN225.

Content is broad enough to deal with issues of multiculturalism in Spai but also specific enough to center on the city of Seville and the Andalusion region.

Contact department for information to register for this course.

SPAN269I **Special Topics in Study Abroad II; Intermediate Spanish I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN301 **Advanced Grammar and Composition I**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: Must have completed or be concurrently enrolled in SPAN207.

Practice of complex grammatical structures through reading and writing of compositions and essays. Specific lexical, syntactic, rhetorical, and stylistic devices will be highlighted.

Contact department for information to register for this course.

SPAN302 **Advanced Grammar and Composition II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN301.

Practice in and writing of different types of compositions and essays, including narrations, descriptions, and persuasive writing. Review of problematic syntactical structures.

Contact department for information to register for this course.

SPAN369O **Special Topics in Study Abroad III; Spanish Conversation & Oral Skills**

Credits: 1-3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN369W **Special Topics in Study Abroad III; Spanish Stylistics: Advanced Spanish Writing and Stylistics**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

SPAN399C **Independent Study in Spanish; Spanish Culture in the Convivencia Period**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Specific readings in literature or a translation project under the supervision of a faculty member of the department.

Contact department for information to register for this course.

SPAN401 **Advanced Composition I**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN302; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPAN402 **Advanced Composition II**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN401; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPAN416 **Practicum in Translation V**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Prerequisite: SPAN357; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Translation of complete literary texts from Spanish into English. Presentation and comparison of special problems encountered in individual projects.

Also offered as LASC448T. Credit granted for SPAN416 or LASC448T.

0101	Lisa Carney	Seats (Total: 25)
	MTuWTh 1:00pm - 4:30pm	JMZ 2117

SPAN448C **Special Topics in Latin American Civilization; Cuba: Critical Cultures in Contemporary Cuba. An Introduction to the Cuban Revolution**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Intensive independent study of a selected topic related to Latin American civilization.

Contact department for information to register for this course.

SPAN448E **Special Topics in Latin American Civilization; Ecuador: Andean Spaces-Traversing the Colonial City and the Natural World**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Intensive independent study of a selected topic related to Latin American civilization.

Contact department for information to register for this course.

SPAN488C **Spanish-American Fiction; Cuba: Critical Cultures in Contemporary Cuba. An Introduction to the Cuban Revolution**

Credits: 3

Grading Method: Regular, Pass-Fail, Audit

Representative novels and/or short stories from the Wars of Independence to the present or close analysis of major contemporary works. Subject will be announced each time course is offered.

Contact department for information to register for this course.

SPAN699E **Independent Study in Spanish; Spain: Cultures of the Contact Zones: Seville, Al-Andalus and the Atlantic World**

Credits: 3

Grading Method: Regular, Audit

This course is designed to provide graduate students an opportunity to pursue independent study under the supervision of a member of the department.

Contact department for information to register for this course.

SURV Survey Methodology Winter 2017

SURV699 **Special Topics in Survey Methodology; Readings in Survey Methodology**

(Perm req)

Credits: 1-6

Grading Method: Regular, Audit

Credit according to time scheduled and organization of the course. Organized as a lecture series on specialized advanced topics in survey methodology.

SVW1	Richard Valliant	Seats (Total: 10)
	Contact instructor or department for details.	

SURV701 **Analysis of Complex Sample Data**

Credits: 3

Grading Method: Regular, Audit

Prerequisite: SURV625.

Analysis of data from complex sample designs covers: the development and handling of selection and other compensatory weights; methods for handling missing data; the effect of stratification and clustering on estimation and inference; alternative variance estimation procedures; methods for incorporating weights, stratification and clustering, and imputed values in estimation and inference procedures for complex sample survey data; and generalized design effects and variance functions. Computer software that takes account of complex sample design in estimation.

Click here for more course information.

SVW1	Jeffrey Gonzalez	Seats (Total: 10)
	Meets December 2, 2016 - March 3, 2017	
	F 12:00pm - 1:00pm	ONLINE
	This online section is a condensed version of the on-site section. The material covered and workload are comparable. Students must have access to a standalone web camera and a headset to participate in the weekly online meetings. Video-recorded lectures taught by Dr. Steven Heeringa. Live online sessions taught by Dr. Jeffrey Gonzalez.	

THET Theatre Winter 2017

THET282 **Stage Makeup**

Credits: 3 Grading Method: Regular, Pass-Fail, Audit

Students learn to design and execute character makeup based on research and script analysis. Studying fundamental facial anatomy, the class learns to manipulate light and shadow with makeup to enhance and alter the shape of facial features. Once these techniques are mastered, the class moves on to more complex exercises, including Old Age, Facial Hair, Wounds and Fantasy.

Students must pay a $25 lab fee.

0101	Melissa Thiede	Seats (Total: 12)
	MTuWThF 12:00pm - 3:00pm	PAC 1809

THET669 **Independent Study; Independent Study**

(Perm req)

Credits: 1-3 Grading Method: Regular, Audit

0101	Esther Lee	Seats (Total: 5)
	Contact instructor or department for details.	
0102	Helen Huang	Seats (Total: 5)
	Contact instructor or department for details.	

THET788 **Master's Tutorial**

Credits: 1-6 Grading Method: Regular, Audit

Collaboration with a faculty member on joint creative and artistic projects.

0101	Helen Huang	Seats (Total: 3)
	Contact instructor or department for details.	

THET789 **Master's Practicum**

Credits: 1-6 Grading Method: Regular, Audit

Participation in creative and artistic activities with professional level theatrical organizations.

0101	Helen Huang	Seats (Total: 3)
	Contact instructor or department for details.	

THET799 **Master's Thesis Research**

(Perm req)

Credits: 1-6 Grading Method: Regular, Sat-Fail

0101	Helen Huang	Seats (Total: 5)
	Contact instructor or department for details.	

UMEI Maryland English Institute Winter 2017

UMEI028V **Special Topics in English as a Second Language; Vocabulary**

(Perm req)

Credits: 1 Grading Method: Sat-Fail

Focuses on particular English language topics for ESL student as indicated by title. Course intended to be taken concurrently with UMEI011, UMEI012, or UMEI013; but may be taken independently with special permission.

UM10	Raymond Smith	Seats (Total: 25)
	TuWThF 1:00pm - 3:00pm	EDU 1121

UNIV University Courses Winter 2017

UNIV099 **Internship Seminar**

(Perm req)

Credits: 0 Grading Method: Sat-Fail

Complements students' supervised work experiences. Open to all majors; all class levels. Involves exploring career options, developing professional work skills, examining the relationship between internship and academic coursework. Course may be repeated.

Restriction: Must have earned a minimum cumulative GPA of 2.0 (undergraduates) or 3.0 (graduate students); and Permission of the Career Center; and permission of instructor.

I101	Theresa Hale, Erica Ely	Seats (Total: 10)
	Contact instructor or department for details.	

URSP Urban Studies and Planning Winter 2017

URSP688K **Recent Developments in Urban Studies; Urban Design Software**

(Perm req)

Credits: 3 Grading Method: Regular, Audit

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

HY01	Jonathan Healey	Seats (Total: 20)
	MTuWTh 7:00pm - 10:00pm Class time/details on ELMs	ARC 0111 ONLINE

URSP788 **Independent Study in Urban Studies and Planning**

Credits: 1-3 Grading Method: Regular, Audit

Directed research and study of selected aspects of urban affairs.

Contact department for information to register for this course.

WINT Winterterm Workshops Winter 2017

WINT002 **Multi-Track Diplomacy and Conflict Transformation**

Credits: 0 Grading Method:

This non-credit workshop aims to develop the concepts and professional skills needed to facilitate transformation of complex societal conflicts, including those rooted in ethnic, religious or cultural tensions. Also meets Friday, Jan 20, 2017.

Click here for more course information. Click here for more information on non-credit workshops.

0101	John Davies, Edward Kaufman	Seats (Total: 30)
	MTuWTh 6:00pm - 9:15pm	TYD 1102
	Also meets Friday, 1/20/17 from 6pm-9:15pm. Snow day makeup: Jan. 21-22 if needed. WINT003 is strongly recommended as a concurrent class.	

WINT003 **Workshop In Multi-Track Diplomacy**

Credits: 0 Grading Method:

This non-credit workshop will develop skills in multi-track diplomacy and apply them to search for common ground in the current conflict in Israel-Palestine. A simulation, engaging influential civil society representatives, will be co-facilitated by workshop instructors with over 30 years' experience working with this and other conflicts around the world. Workshop meets over the first two weekends in January only, not on the weekend of Jan 20-22.

Click here for more course information. Click here for more information on non-credit workshops.

0101	John Davies, Edward Kaufman	Seats (Total: 30)
	F 6:00pm - 9:00pm	TYD 1101
	SaSu 9:00am - 1:00pm	TYD 1101
	SaSu 2:00pm - 6:00pm	TYD 1101
	Two consecutive weekend workshop sessions: January 6-8 and 13-15. Snow Day make-up: Jan. 21-22 if needed. WINT002 is strongly recommended as a concurrent class.	

WINT488K **Art History in the Museum World**

Credits: 0 Grading Method:

Though this course is intended for upper division students who are majoring in art history, it is open to anyone interested in the museum world. Its principal objective is to introduce students to various facets of museum work and provide guidance concerning the possible ways in which an academic degree in art history can be used for diverse career paths in the museum environment. Most of the sessions will be conducted at the University of Maryland Center for Art and Knowledge, The Phillips Collection, Washington. In addition, we will visit other museums in the Washington D.C. area for meetings with different professionals. Rather than traditional lectures, our meetings are envisioned as active discussions on specific topics. Topics to be discussed include, but are not limited to the following: curatorial work, management and preservation of collections, design and installation of permanent and temporary exhibitions, fundraising, and outreach and educational programs that promote a more meaningful relationship between museums and their audiences.

XPH1	Aneta Georgievska-Shine	Seats (Total: 5)
	MTuWTh 9:00am - 12:30pm	Location: TBA
	Workshop meets at The Phillips Collection, 1600 21st Street, NW, Washington, DC. For directions and parking, visit http://www.phillipscollection.org/visit/plan-your-visit. To enroll, visit http://oes.umd.edu/ winter-term/special-programs.	

WMST Women's Studies Winter 2017

WMST298D **Women's Bodies in Contention**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit | CORE: HA, D | General Education: DSHS, DVUP, SCIS

WB11	Elsa Barkley Brown	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

WMST326 **Biology of Reproduction**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Prerequisite: BSCI170 and BSCI171; or BSCI105; or permission of ARHU-Women's Studies department. Also offered as: BSCI342. Credit only granted for: BSCI342 or WMST326.

The biology of the reproductive system with emphasis on mammals and, in particular, on human reproduction. Hormone actions, sperm production, ovulation, sexual differentiation, sexual behavior, contraception, pregnancy, lactation, maternal behavior and menopause.

0101	Justicia Opoku-Edusei	Seats (Total: 25)
	MTuWThF 10:00am - 1:00pm	BPS 1250

WMST469T **Study Abroad Special Topics IV; Gender, Sexuality and Globalization: Transnational Feminisms and the Anglophone Caribbean**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Special topics course taken as part of an approved study abroad program

Contact department for information to register for this course.

WMST498Q **Advanced Special Topics in Women's Studies; Gender and Politics**

Credits: 3 | Grading Method: Regular, Pass-Fail, Audit

Also offered as GVPT359C. Credit granted for GVPT359C or WMST498Q. The course will introduce students to the main topics in Gender and Politics scholarship. Using feminist scholarship to create the lens within which to analyze political science texts. Race, sexual orientation, class, and gender identity are all fundamental to the critical analysis of the who, where, what and when of gender politics. This class covers diverse issues such as; women's participation in political parties, women as voters and candidates in political elections , feminism and the state, and gender and international politics.

WB11	Noa Balf	Seats (Total: 50)
	Class time/details on ELMs	ONLINE